TF Series Owner's Handbook.

RODEO

HOLDEN

Owner's Name .....

Address .....

Town .....

State.....Postcode .....

Model Name .....

Reg. No.....Eng. No. .....

Odometer Reading .....

Date of Purchase .....

(17 character I.S.O.V.I.N.) Vehicle Identification Number

Vehicle Identification Certificate

Selling Dealer's
Stamp & Signature

Isuzu-General Motors Australia Limited, A.C.N. 006 962 572 (hereinafter I-GM).

Change of name, address or ownership

In the event of a Safety Recall, or for various reasons, we may need to contact you as the owner of this car. Also, if less than three years old, this car will qualify for Roadside Assistance, refer Chapter 9. If you have recently changed your address, or name, or purchased this car second-hand, please help us to help you by taking a few minutes to fill in and mail the form on the third page of this handbook.

Part No. 92074498
Dec 1997 (1998 model Print 1)

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We thank you for choosing Holden and want to assure you of our continuing interest in your driving pleasure and satisfaction.

This handbook applies to current model Rodeos. Therefore, due to different models and options, you may find reference in this Handbook to some equipment not fitted to your own vehicle.

Please note that all information, illustrations and specifications in this Handbook are based on the latest production information available at the time of printing. I-GM reserves the right to make changes at any time without notice and without incurring any obligation.

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Please tick the appropriate box:

☐ Original Owner ☐ Subsequent Owner

Mr, Mrs, Ms, Miss, Dr, etc.

First name in full or initials

Surname or Name of Company/Institution/Government Department

Address

Street/box

City/Town

State Postcode

Car registration number

Holden Number (see page 8-6 of this book)

ISOVIN No (shown on page 8-6 of this handbook)

Place in an envelope and mail to:

The Manager - Warranty Administration
Service Department
General Motors-Holden's Automotive Limited
Box 548D, G.P.O.
Melbourne
Victoria, 3001

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CHAPTER 1

Dash

The following page illustrates the dash board, identifying the gauges, warning lights, controls and switches. Page reference numbers are listed next to each item.

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LAYOUT

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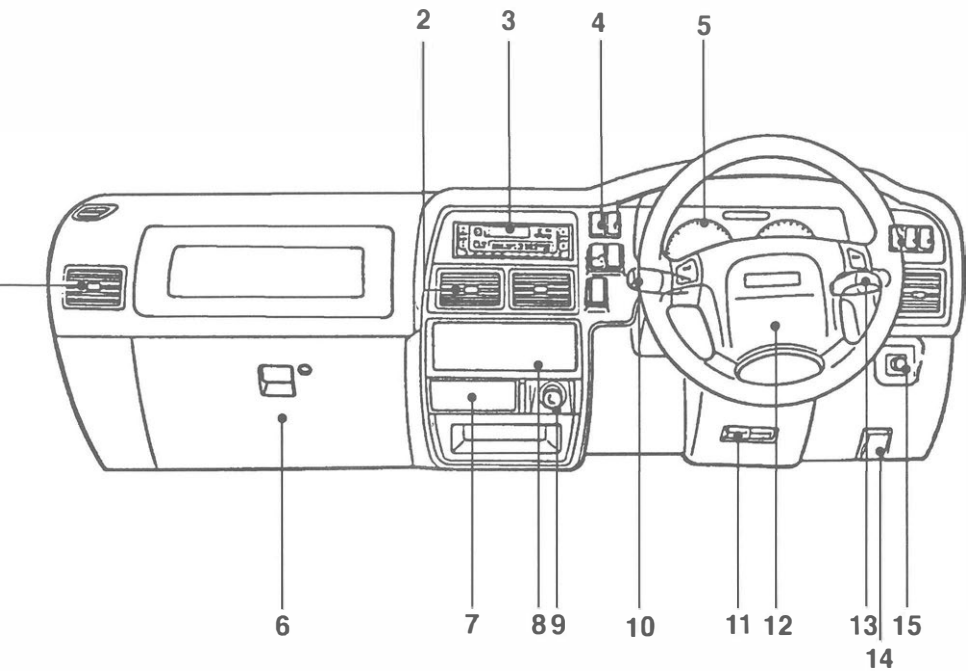
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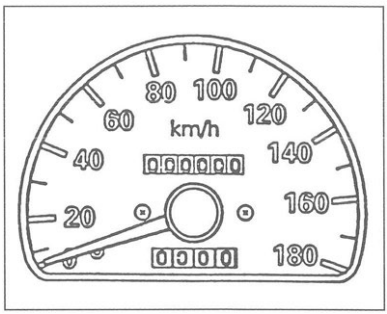
GAUGES

Speedometer

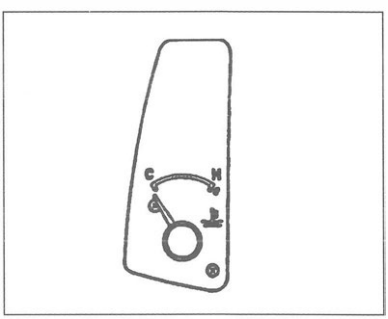


The Speedometer gauge indicates speed in kilometres per hour.

The odometer (A) records kilometres travelled since the car was built.

The tripmeter (B) records kilometres travelled on a particular trip. Push the tripmeter knob (C) to reset the tripmeter reading to zero.

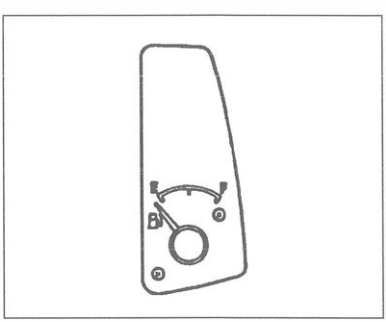
Temperature gauge



The temperature gauge indicates the engine coolant temperature.

Stop/start driving in heavy traffic, driving at high speed in warm weather, hill climbing or towing may cause the needle to move toward the extreme top of the gauge. This is normal, and is not cause for concern. However, if the needle should move all the way to the "H" mark on the gauge and remain there for more than 30 seconds, you should stop the vehicle as soon as it is safe to do so. Refer Chapter 6 for overheating instructions.

Fuel gauge



The fuel gauge shows the level of fuel in the fuel tank. "F" represents full, "E" represents empty.

If your Rodeo is fitted with a tachometer the gauge will show fuel tank contents at all times, regardless of the ignition key position.

If your Rodeo is not fitted with a tachometer the needle in the gauge will fall to empty when the ignition is turned off. Fuel tank contents will again be displayed when the ignition is turned to ON.

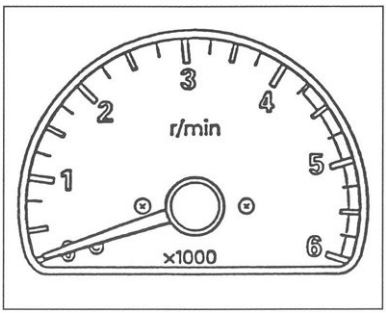
Refer chapter 5 for re-fuelling instructions.

GAUGES, CLOCK, DIMMER, WARNING LIGHTS

Tachometer (if fitted)

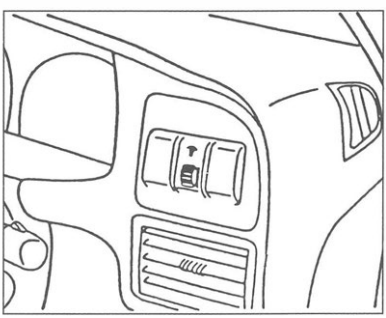
The tachometer shows engine speed in revolutions per minute (r.p.m.).

Continued or operation in the RED zone may cause serious engine damage.



Dimmer - instrument lighting

To adjust the brightness of the instrument panel lighting, make sure the headlights are on, then turn the dial illustrated, located to the right of the steering column.



Warning lights

Power drive (auto transmission with 6VD1 engine)

The POWER DRIVE light will come on when the engine is running and 'power drive' selected, refer chapter 4.

POWER DRIVE

Check trans (auto tansmission with 6VD1 engine)

To check that the warning light is working, the symbol is displayed for a short time when the key is turned to ON.

If the symbol flashes it means that the computer controlling the transmission has found a problem. The vehicle can still be driven when the light is flashing, but the computer may put the transmission into 'safety mode' (refer chapter 4) - the transmission should be checked by your Holden Dealer as soon as possible.

CHECK TRANS

WARNING LIGHTS

Turn signals

The appropriate arrow will flash when the left or right turn signals are in use.

High beam

This symbol is displayed when the headlight high beams are in use.

Oil pressure!

To check that the warning light is working, the symbol is displayed when the ignition is turned to ON - until the engine is started.

If the symbol is illuminated while driving, it indicates that the oil pressure is dangerously low. Stop immediately and check the engine oil level (refer chapter 7). Do not drive the vehicle with this symbol showing. If the oil level is normal, have the system checked at your nearest Holden Dealer.

Low fuel!

This symbol is displayed when the petrol tank is approaching empty (down to 8 litres). Never let the tank become empty.

Brake!

If this symbol is displayed when you are driving and the park brake is fully released it indicates that there may be a fault with the braking system. You should immediately stop the vehicle (as carefully as possible) and check the fluid level of the brake master cylinder, as shown in chapter 6. Do not proceed until the reason for the warning has been located and rectified.

In addition, diesel equipped vehicles are fitted with a low vacuum warning which may illuminate when the brake pedal is "pumped" with the engine running at low speed. This is due to insufficient vacuum being generated and does not indicate a problem. However, if the light is illuminated after 2 or 3 seconds at idle, the vacuum line may be defective and you should see you Holden Dealer.

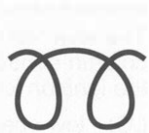
Battery!

To check that the warning light is working, the symbol is displayed when the ignition is turned to ON - until the engine is started.

If the symbol is illuminated when driving it indicates that the generator is not charging. If the generator drive belt is intact there is a problem in the charging system and you should see your Holden Dealer.

WARNING LIGHTS

Glow plug indicator (diesel only)



Your diesel engine has a special starting system. Turning the ignition key to "ON" starts the system and turns on the indicator light.

When the glow plugs have heated the engine enough for it to start, the indicator light will go out. This tells you the engine is ready to be started.

Fuel filter indicator (diesel only)

Under certain circumstances water may be taken into the fuel tank, and to prevent water from reaching the vital parts of the fuel system a water separator is installed. When the level of water trapped within the water separator reaches the specified level, the indicator symbol is illuminated. If the symbol comes on and remains on while the engine is running, it indicates the need for draining of the water separator, refer Chapter 4.

Four wheel drive indicator (4WD only)

The symbol is displayed when the transfer lever is shifted to the 4H or 4L position. It does not necessarily mean the vehicle is operating in four wheel drive. Refer to chapter 4 for driving instructions.

Check engine (petrol engine only)!

Your vehicle is fitted with an Electronic Engine Management System. The check engine symbol indicates when system service is required.

To check that the warning light is working, the symbol is displayed when the ignition is turned to ON - until the engine is started.

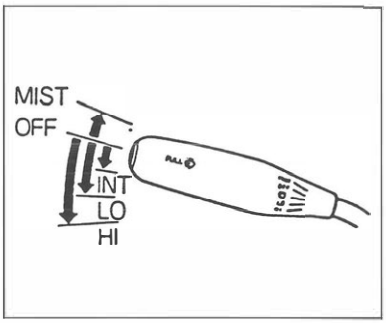
If the symbol is illuminated while driving it indicates a fault in the Engine Management System. Although the vehicle may still be driveable it is recommended you have a Holden Dealer correct the problem as soon as possible, as continued driving could affect fuel consumption and engine performance.

Overdrive off indicator (automatic transmission with 4ZE1 engine only)

This symbol is displayed when the ignition key is turned to the "ON" position and overdrive is switched off, refer chapter 4.

WIPERS, WASHERS AND DEMISTER, HORN

Wipers and washers



The lever on the left of the steering wheel column controls the windscreen wipers when the ignition key is turned to ON.

LO: low speed

HI: high speed

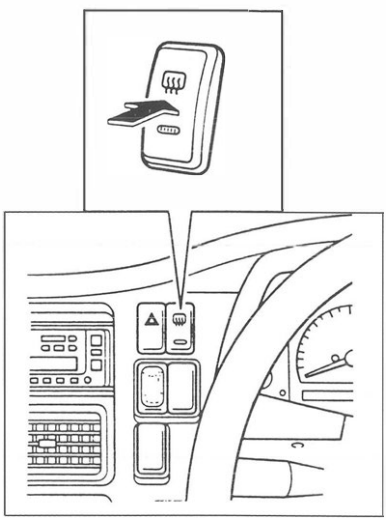
INT: wipes every few seconds

The wiper sweeps continuously while the lever is held in the MIST position.

Never operate the wipers on dry glass, as this will damage the rubber and scratch the glass. To obtain a spray of fluid, push the washer button towards the instrument panel. This will automatically turn on the wipers for a short time, if not already operating.

Clear the wipers of any snow or ice before switching on.

Demister (if fitted)



Operational when the ignition is switched to "ON", the switch for the rear window demister is located on the instrument panel, to the left of the steering column.

Press the switch to turn on the demister. The light in the switch glows when the demister is in use.

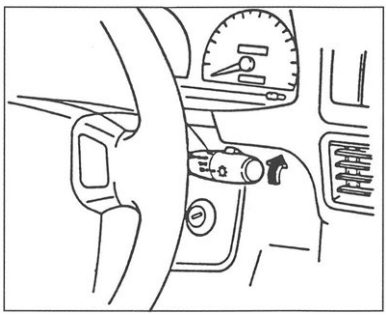
Re-press the switch to turn off the demister when the rear window is clear.

Horn

The horn is activated when one of the pads, located on either side of the steering wheel is pressed.

HEADLIGHTS AND TURN SIGNALS

Light switch



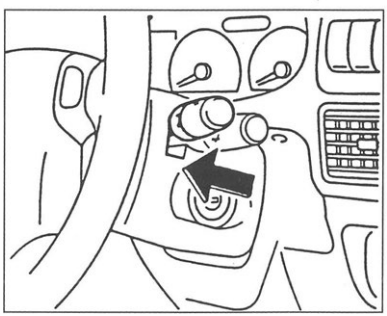
The light switch has 3 positions:

Off: All lights off

Park lights and illumination lights on.

Headlights, park lights and illumination lights on.

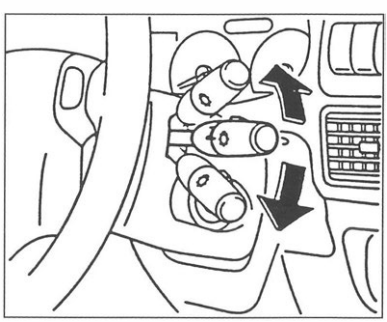
High/low beam



High/low beam is controlled by the lever on the right side of the steering wheel column. With the headlights on, pull the lever towards you, until you feel a click, then release. The headlights will change between low and high beam. When the high beams are in use, a symbol on the instrument panel will be displayed.

It is also possible to flash the high beams for signalling purposes (even if the headlights and/or ignition are switched off) by pulling the lever towards you.

Turn signals

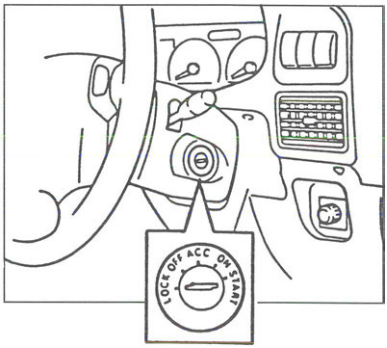


The turn signal lever is on the right side of the steering wheel column. Push the lever down to signal a right turn, up to signal a left turn.

An arrow on the instrument panel will flash when the lights are in operation.

IGNITION SWITCH AND DIESEL IDLE SPEED

Ignition switch



LOCK Normal parking position. Accessories and engine are off. This position locks the ignition and steering when the key is removed. The key can only be removed at this position. To release the steering lock, insert the key into the switch and turn it to "OFF" or other positions. If you have trouble turning the key to unlock the steering, turn the steering slightly to the right or left while twisting the key clockwise.

OFF The engine and accessories can be turned off without locking the steering.

ACC (accessories) The engine is off but accessories such as the radio still operate. To avoid flattening the battery, avoid excessive use of accessories when the engine is not running.

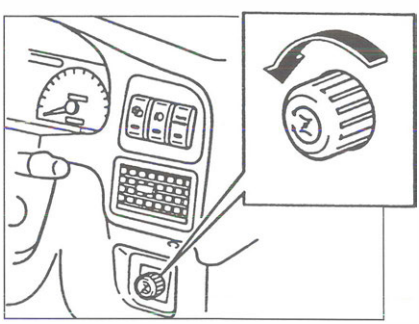
ON This is the position at which the engine is ready to start and all electrical systems are active. Do not leave the switch in the "ON" position for a prolonged period, unless the engine is running, otherwise the battery will discharge.

START This is the position for starting the engine. The key should be released from this position as soon as the engine starts.

CAUTION: Do not turn the engine off while the vehicle is moving or there will not be any power assist for brakes or steering. Never remove the key while the vehicle is moving, as this will lock the steering.

Diesel idling control knob

Turning the knob clockwise after cold engine starting will increase idling speed, thereby providing a smoother cold engine idle. Remember to return the knob to the home position after the engine has warmed up.



HAZARD, PARK BRAKE & CLOCK

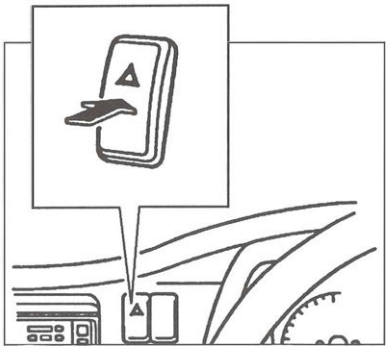
Hazard warning

Use the hazard warning flasher to warn other drivers any time your vehicle becomes a traffic hazard, day or night.

Turn on the hazard warning flasher (regardless of the ignition key position) by pushing the switch, as shown.

To cancel the flasher, push the switch again.

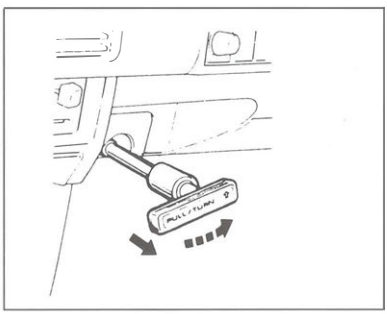
Use of the hazard warning system while the vehicle is moving is illegal in some States.



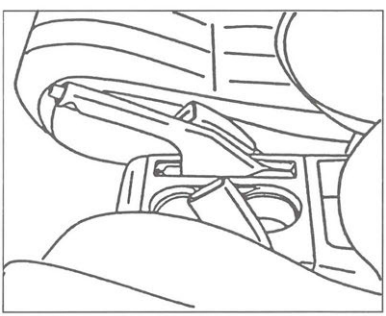
Park brake lever

Never drive with the park brake applied, as this may overheat or damage the park brake.

Dash mounted type: A ratchet type park brake lever is mounted to the left of the steering wheel column. To apply the park brake, pull the lever out. To release, pull out and turn the lever anti-clockwise and then push it back into home position.



Console mounted type: Pull the lever between the front seats upwards to apply the park brake. To release, pull the lever slightly upwards, squeeze in the release button and lower the lever all the way down.



Clock (if fitted)

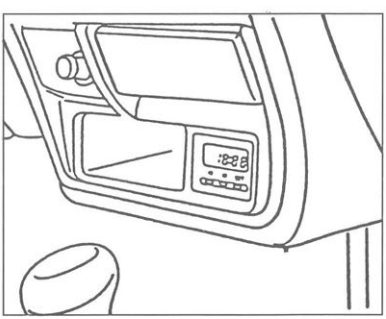
Time is displayed when the ignition key is turned to :ON". The display is adjusted as follows.

H Hour display is advanced rapidly while this button is depressed.

M Minute display is advanced rapidly while this button is depressed.

SET When the SET button is pressed the time is rounded off to the closest hour.

The clock does not display seconds, but starts from zero second when the "SET" button is pushed.

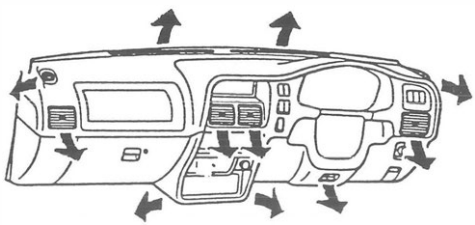


VENTILATING AND HEATING

The vehicle features a flow-through ventilation system for your comfort. Under reasonable conditions, it shouldn't be necessary to open the windows at any time. Fresh air (when selected by the Air Source Lever) is drawn into the vehicle through the grilles in front of the windscreen. Do not allow them to become clogged with debris, such as leaves or snow.

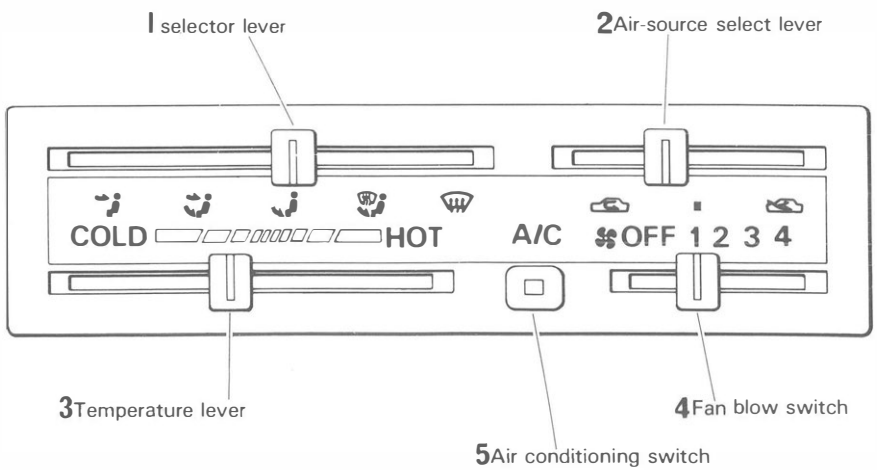
Outlets

The air can be directed by the Select Lever to four different types of outlets: window, demister, windscreen demister, floor and face level.



The four face level outlets on the instrument panel have adjustable vanes which may be swivelled up/down and left/right to allow directional control of air flow.

The floor, window demister and windscreen demister outlets are fixed, as these direct air to the windows, windscreen or feet in the best possible way.



HEATER CONTROLS

1. Select lever

Different vents are selected when this lever is set in the following positions.

Air will flow from the four face level outlets.

Cooler air is delivered from the face outlets and warmer air from the feet outlets, except when the temperature control knob is moved to its extreme right or left positions, when the air from the upper and lower vents will be at the same temperature.

Air will flow from the foot vents

Air will flow from the foot vents, window demist and windscreen demist outlets.

Air is delivered from the window demist and windscreen demist outlets with a small amount from the floor outlets.

2. Air source lever

Air intake source is controlled by sliding this knob:

Outside air is drawn into the vehicle.

Air within the vehicle is re-circulated with the aid of the fan.

Re-circulating the inside air for an extended time is not recommended; switch to outside air as soon as possible to renew the air.

3. Temperature control

The temperature of the incoming air is controlled by sliding this knob.
The further the slider knob is towards HOT the hotter the incoming air will be.

4. Fan speed

Fan speeds 1 through to 4 can be selected by sliding the knob away from the OFF position.

The fan will only operate when the engine is running.

HEATER CONTROLS

5. Air conditioning switch (if fitted)

Air conditioning (if fitted) is turned on when this button is depressed. Repress the button to switch off and achieve lower fuel consumption.

Windscreen demisting

To demist the windscreen, move the Select Lever to "Demist", select air flow and air source required. Demisting will be accelerated if higher temperature air is used.

In high humidity conditions however, operate the system for approx. 30 seconds before selecting "demist" position to purge air from the system.

Hot weather

For a "quick cool down" when first entering the vehicle on a hot day, switch on the air conditioner, select re-circulate, move the temperature lever to full cold and turn the fan to a high speed. Also, open the windows to allow the hot air to escape. After a minute or two, close the windows, as the air conditioning works more effectively with the windows up.

It is recommended to select "outside air" (rather than re-circulate) when the interior cools down (10 to 20 minutes) to achieve and maintain best comfort conditions during extended driving.

The coolest temperature however, is achieved when re-circulate is selected. This can be used in slow city traffic or when the car is stationary in very hot weather. Occasionally select face or bi-level to allow outside air to enter the car.

Performance/fuel economy

The air conditioner uses power from the vehicle's engine. Therefore you will notice a small decrease in engine power, and a slight increase in fuel consumption when the air conditioner is in use.

Cold weather

If the side windows or windscreen fog up on a cold day, switch on the air conditioner, turn the fan switch to a high speed, select "demist" and select a warm setting with the temperature control. This will circulate warm, dehumidified air throughout the car, defogging the windows.

Note that the air conditioner not only reduces temperature but also reduces humidity and dust.

Automatic transmission

If your vehicle is stopped for long periods in hot weather with the engine running and the air conditioner operating, select N or P.

Cigarette smoke

If occupants are smoking, it is recommended that the "re-circulate" position NOT be used.

HEATER CONTROLS

Important

Once every two weeks, with the engine running, switch the air conditioner on for 5 to 10 minutes even in Winter to lubricate seals.

Dust

When following another vehicle on dusty roads, or to prevent exhaust fumes or odours entering your vehicle, select the re-circulate position and make sure windows are closed.

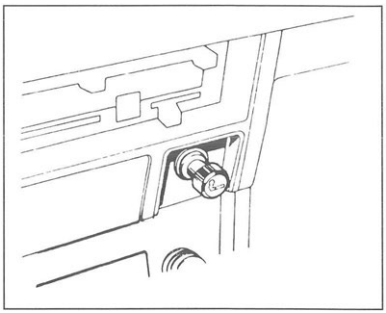
When driving on unsealed roads but where the dust is not airborne, use the fresh air setting of the air source lever (with the windows closed) and the fan preferably on a high speed so that positive air pressure in the vehicle will prevent any dust entry.

CIGARETTES and GLOVEBOX

Lighter

The cigarette lighter is operational when the ignition is turned to ON or ACC.

Press in the lighter knob; when the element is hot the lighter will automatically pop out, ready for use.

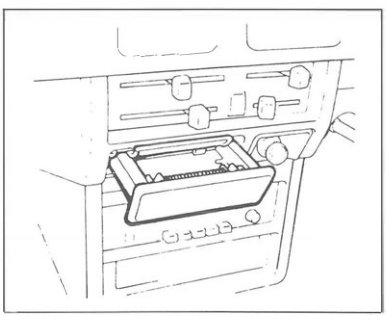


Ashtray, front

Ashtrays should only be used for ash, not for combustible rubbish.

To empty, open the ashtray, depress the top plate and remove the ash container.

To install, insert container and push it fully in.



Glovebox

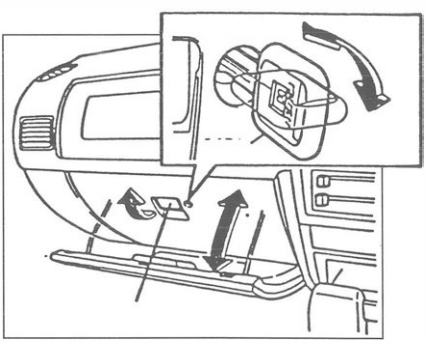
The glovebox is provided on the passenger side of the instrument panel.

The glovebox can be opened by pulling the handle. Push the lid shut to close.

To lock, turn the key clockwise, to unlock, turn the key anti-clockwise to the vertical position.

To unlock and open at the same time, turn the key anti-clockwise, past the vertical position.

The key must be vertical in the lock in order to withdraw the key and leave the glovebox unlocked.



BONNET RELEASE, RADIO

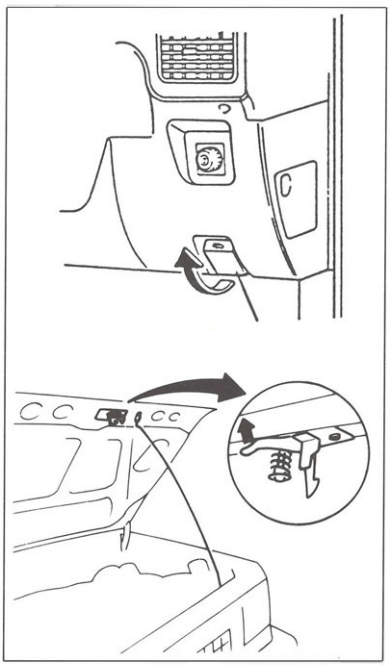
Bonnet

From inside the vehicle, pull the lever (under the driver's side of the dash board) towards you.

This allows the bonnet to release but is prevented from opening by the safety catch. To open completely, reach in under the centre of the bonnet and move safety catch upwards. Hold in this position and raise the bonnet.

To hold the bonnet in the open position, insert the support rod into the slot provided.

Before closing, return the support rod to its clip in the radiator grille and lower the bonnet down and push firmly back into place. After closing check that the bonnet has securely locked down.



Radio

Refer to the operating instruction supplement in your glovebox for all information relating to the operation of the radio/cassette in your vehicle.

Important cassette care note

After repeated playing, residue from the tape surface and dust from surroundings builds up on the tape head and tape handling surfaces. This is first noticed as lack of treble and a muffled sound.

To assure good quality sound, reduce dropout and have trouble free operation, a good quality cassette head cleaning tape should be used every month or two, depending on the amount of use.

Notes

CHAPTER 2

Locks

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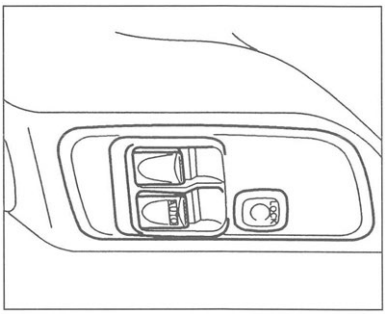
2-2 Keys
2-2 Fuel tank filler door
2-2 Door locks
2-2 Glovebox lock
2-3 Electric locks
2-3 Child proof locks

KEYS & LOCKS

Keys

The code number is stamped on the key. Record the key number and keep the number in a safe place - NOT IN THE VEHICLE.

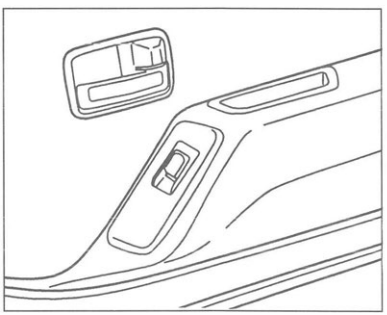
In the event of the original keys being lost a duplicate can be made by your Holden Dealer, using your key code number.



Fuel tank filler door

The vehicle is equipped with a lockable fuel filler door (or cap) which can be unlocked or locked with the ignition key.

After refuelling, check to be sure the fuel filler door (or cap) is locked up properly. Refer to information on the inside of the rear cover of this Handbook when refuelling.



Glovebox

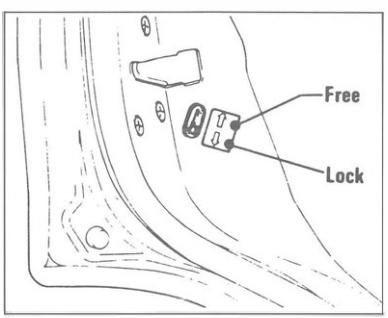
Refer Chapter 1.

Door locks

Doors are unlocked when the lock button is up and locked when the lock button is down.

Doors may be locked behind you by depressing the lock button when the door is open then shutting the door while the door handle is pulled outwards.

In addition, front doors may can be locked or unlocked from outside the vehicle with the ignition key. Turn the key towards the front of the vehicle to lock, towards the rear to the vehicle to unlock.



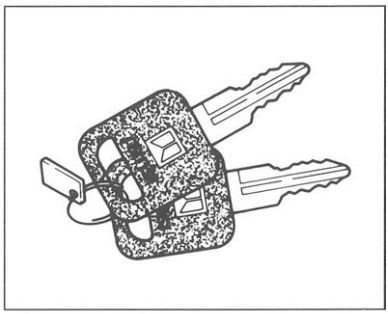
KEYS & LOCKS

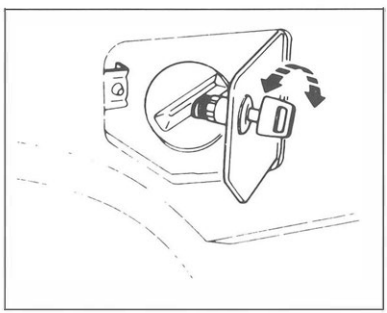
Electric (if fitted)

All doors will unlock and lock simultaneously when either front door is locked or unlocked with the key.

All doors will lock and unlock when the driver's snib lock button of the armrest lock button is used.

Using the passenger's snib lock button will not affect the other doors.



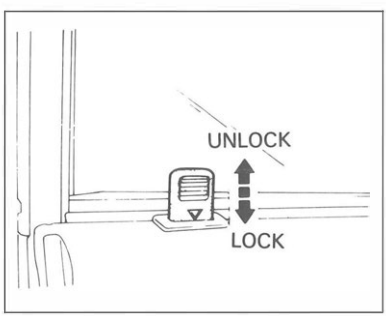


Child proof (if fitted)

This added safety is built into the two rear passenger doors. To operate, push the lever down as far as it will go and close the door. The door cannot be opened from the inside, regardless of the lock button position.

To disengage, open the door from the outside and push the lever up as far as it will go.

CAUTION: For safety, you should check that the lock is operating correctly by attempting to open the door from the inside after the lock has been set.



CHAPTER 3

Body Features

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3-3 Seat belts
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3-6 Antenna

SEAT ADJUSTMENT

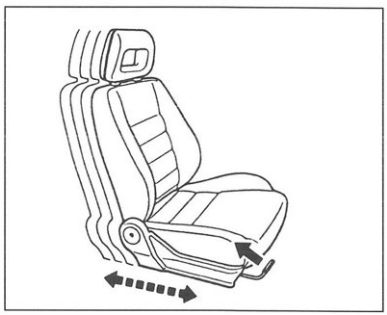
Driver's seat

Pull up the lever (located under the front of the seat) and then move the seat forward or backward, as required.

After adjusting the seat position, try to move the seat forward and backward to be sure the seat adjusters have been latched.

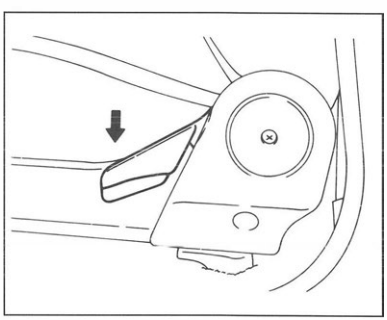
Do not adjust the seat while the vehicle is moving.

Some models will also have a similar adjustment for the passenger seat.



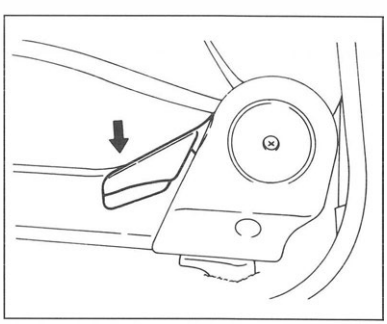
Back inclination (if fitted)

Inclination of the back of the seat can be adjusted by raising the lever on the door side of the seat



Walk-in system (space cabs)

The passenger side seatback inclines down and the whole seat assembly slide all the forward as the reclining lever is pulled up.



SEAT BELTS

Retractor Belts

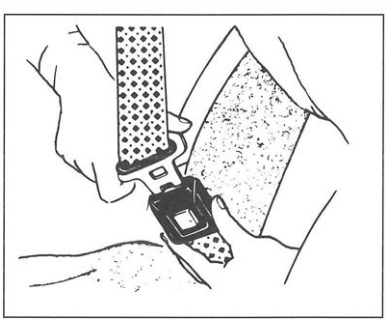
To put on a retractor seat belt, pull the metal tongue across your body and clip it into the buckle. When the metal tongue has locked safely into place you will hear a "click". After fastening, settle the belt by running your hand under the belt starting at the hip, go across to the buckle, then up under the sash. Any extra belt length will retract automatically.

The lap section should be worn as low as possible on your hips, not on your waist. Make sure the sash and lap sections of the seat belt are free from twists and are fitting firmly.

The emergency-locking retractor belt allows you to move freely while the vehicle is travelling normally. The belt will lock immediately on fast braking, impact with a solid object or any quick movement by the wearer.

To release the belt, press the release button on the buckle and allow the belt to retract. Check that it fully retracts without twisting or turning.

Non-retractor belts



To adjust: Settle yourself comfortable. Bring the tongue adjuster across your body and clip it into the buckle. When the metal tongue has locked safely into place you will hear a "click". Make sure the belt is fitting firmly across the lower hip area and not across your waist.

To shorten: Tilt the tongue adjuster and pull the belt through the belt adjuster.

To lengthen: Tilt the tongue adjuster and pull the belt from just below the finger grip bar. To release the belt, press the release button on the buckle.

Maintenance of seat belts

Check seat belts regularly. Replace the belts if they become frayed or damaged. The buckle and retractor mechanism operations should also be checked. Your Holden Dealer will regularly do these things as part of the scheduled maintenance plan, refer Chapter 12.

Seat belts must be replaced if they have been in use during a severe impact - even if there is no obvious damage.

Clean belts only with a solution of mild soap and lukewarm water. Never use bleach.

SEAT BELTS

Australian law requires that the driver and all passengers be properly restrained at all times with the seat belts provided in the vehicle. Failure to do so could increase the chance of injury and/or the severity of injury in accidents.

Australian Design Rules: WARNING

Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis, or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

Belts should not be worn with straps twisted.

Each seat belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.

No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

The positioning of the tongue restrictor must never interfere with or stop the belt from fully retracting.

Infant and child restraints

CHILDREN SHOULD BE RESTRAINED AT ALL TIMES WHEN RIDING IN A MOTOR VEHICLE.

In some states it is law that children must be belted in, whenever they are travelling in a vehicle in which seat belts are installed. CHILDREN ABLE TO SIT UP should be restrained with a regular seat belt or an approved child restraint.

Where children are restrained with the regular belt and it is desired to raise their seating position this is to be done only be means of a support which is retained by the belt. NEVER USE A LOOSE CUSHION AS THIS COULD ALLOW SERIOUS INJURY IN THE CASE OF VEHICLE COLLISION.

Your vehicle is classified as a "light commercial vehicle" and therefore is not fitted with child restraint anchorage points.

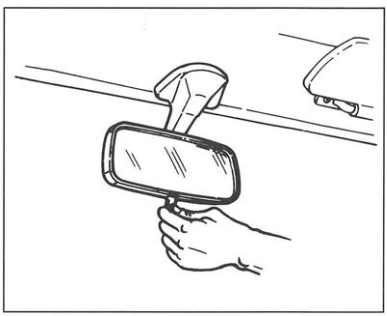
MIRRORS AND TILT STEERING

Inside rear view mirror

Move the mirror right/left or up/down to gain the required angle.

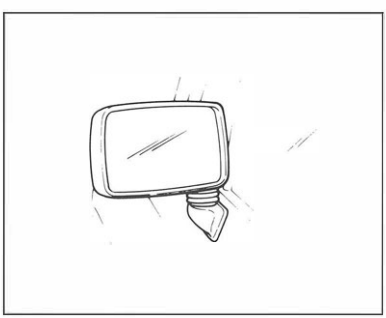
The anti-glare lever on the lower edge of the mirror enables a reflector to be used during night driving. This reduces glare at night from following vehicles.

During normal daylight operation, the lever should be set forward. To reduce glare at night, move the lever towards you.



Outside rear view mirror(s)

Adjust the outside rear view mirror so you can just see the side of your vehicle in the side of the mirror. This helps you determine your relation to objects seen in the mirror. When selecting the most suitable angle ensure that the driver's head is in the normal position for driving, then adjust the mirror angle to suit.

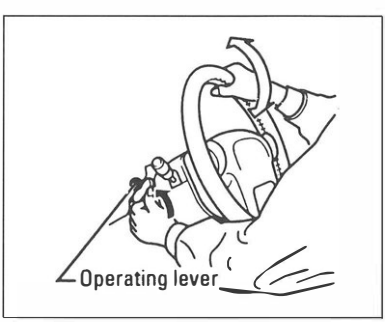


Tilt steering (if fitted)

The tilt steering lever is located on the left hand side of the steering column and has 6 adjustment positions. To adjust, lift the lever to unlock the steering column. Move the wheel as required up or down and lock the lever firmly. Try moving the wheel up and down to ensure it is securely locked.

When in position, return the lock lever into place. "Jiggle" the steering wheel to ensure it has locked securely before driving.

CAUTION: As with all the other driver position controls, do not attempt to adjust the steering wheel while driving.



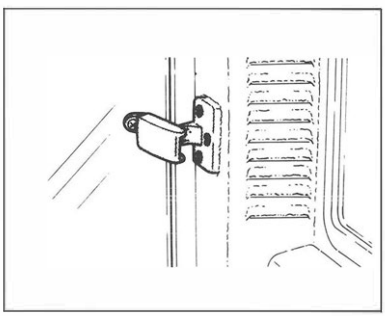
WINDOWS, INTERIOR LIGHT, ANTENNA

Window regulator handle

Turn the regulator handle to raise or lower the door windows.

Quarter windows (space cabs)

The quarter window on each side can be opened and closed by operating the catch handle.

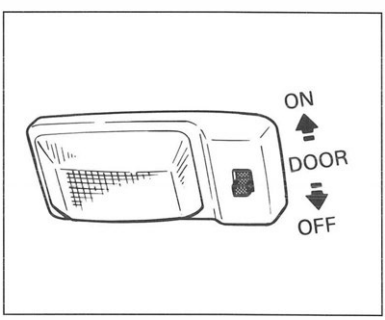


Interior (dome) light

DOOR: The light turns on when the door is opened.

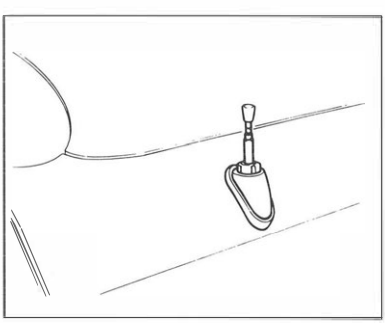
ON: The light turns on regardless of the door position.

OFF: The light remains off.



Antenna

Pull out the antenna to gain sensitivity.



Notes

CHAPTER 4

Driving

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4-3 Petrol engine starting
4-4 Diesel engine starting
4-5 Driving precautions
4-6 Manual transmission
4-7 Automatic transmission
4-11 Four wheel drive
4-12 Running-in

SAFETY

Before entering the vehicle

1. Check that windows, mirrors and lights are clean.
2. Visually check tyre inflation (check with a pressure gauge each week).
3. If you intend to reverse, check that the area behind your vehicle is clear.

Before driving off

1. Be sure that all doors are closed and secured.
2. Position your seat for comfortable driving.
3. Adjust rear vision mirrors.
4. FASTEN SEAT BELTS.
5. Check that all the warning indicators light up when you turn the key to start the engine, refer Chapter 1.

Parking

1. Apply the park brake.
2. Place manual transmissions in REVERSE or FIRST gear.
3. Switch off all exterior lights.
3. Shut all windows.
4. Turn ignition key to LOCK and remove the key.
5. Lock all doors.

CAUTION:

Be careful where you park or drive. As with any vehicle, do not park or operate this vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.

Never leave the engine running in a closed garage or underground car park.

PETROL ENGINE STARTING

1. Apply the park brake firmly and release only after you have started the engine and ready to drive off.

2. MANUAL: Depress the clutch pedal fully and move the gear lever to Neutral position. The clutch pedal can now be released.
   AUTOMATIC (if fitted): Move the shift lever to P (Park) or N (Neutral) position. The engine will not start if it is in any other position. As a safety precaution, you should have your foot on the brake pedal in order to shift the transmission lever out of the Park position.

3. Start the engine as outlined below.
   For cold or hot starting the procedure is the same. Do not touch the accelerator pedal. Simply turn the key to the START position and release when the engine starts.
   If the engine does not start in 10 seconds, wait 15 seconds to let the starter motor cool down. Then turn the key to START with the accelerator pedal pushed completely down to the floor for a maximum of 10 seconds. If the engine still does not start, release the key and pedal. Wait another 15 seconds and then repeat the entire procedure. If the engine still fails to start, contact your Holden Dealer.

6VD1 ENGINE CAUTION: When trying to start the engine, do not hold the key in the START position for extended time, for if unburnt fuel were to reach the catalytic converter and ignite, the converter could overheat or be destroyed by backfire.

NOTE: You should not subject the engine to high load conditions such as full throttle acceleration or high speeds until it has completely warmed up.

DIESEL ENGINE STARTING

Glow plug indicator light

Your diesel engine has a special starting system. Small heating elements, called "glow plugs" warm part of the engine for improved starting.

Turning the starter key to the "ON" position starts the system and turns on the indicator light. This indicator light is located on the instrument panel, refer Chapter 1.

When the glow plugs have heated the engine enough for it to start, the indicator light will go out - the engine is now ready to be started.

Note that waiting time depends on the engine temperature, the light may stay on for a short time or go out right away.

If the light fails to come on, see your Holden Dealer.

Starting

Turn the ignition key to the "ON" position and check to see that the glow plug indicator light has turned on. As soon as the glow indicator light has gone off, fully depress the accelerator pedal once and release. Depress the clutch pedal.

Crank the engine by turning the ignition key to the "START" position. Release the key when the engine has started. It will return to the "ON" position.

If necessary to achieve a smooth idle, turn the idling control button clockwise. Remember to turn it fully anti-clockwise when the engine has warmed up (as indicated by the coolant temperature gauge).

NOTE: Do not keep cranking the engine for more than 30 seconds if the engine fails to start. Wait for 30 seconds before trying again.

Turbo Operating Precaution

ENGINE STARTING

Do not operate the engine above idle before normal engine oil pressure has been established (such as applying full throttle immediately upon initial start-up). This causes the turbocharger to operate at excessive speed before the bearings receive adequate lubrication. Operation of the turbocharger for a period as short as 5 seconds without sufficient oil can cause bearing failure.

DRIVING PRECAUTIONS

Brakes

- Power assisted brakes, which are fitted to your vehicle, utilise vacuum from the engine when it is running. Never let the vehicle run down steep grades without the engine running. Never coast with the engine switched off.
- A decrease in driving, cornering and braking traction occurs when water, snow, ice, gravel or other materials are on the road surface. Driving practices and vehicle speed should be adjusted to the road conditions.
- Driving through water may affect performance. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with an assured clear distance ahead until brake performance returns to normal.
- Brake pedal travel should not be obstructed by ill-fitting floor mats or any other material under the pedal which causes interference with normal pedal movement.
- Your seat should be positioned so that you can push the brake pedal satisfactorily under all braking conditions.

Power steering (if fitted)

- Power assisted steering, which is fitted to your vehicle, has been designed to reduce steering effort. It uses hydraulic pressure to lighten steering loads and is designed so that "road feel" is retained. Care should be taken not to hold a turning force on the steering wheel when stationary (i.e. when waiting before turning a corner, etc.) as this creates unnecessary high operating pressures within the system.
- If the power steering is rendered ineffective because the engine has stalled, the drive belt broken or if the pump reservoir is empty of fluid, the vehicle can still be steered. However, due to the much greater effort required to steer, it is recommended that you have the problem fixed promptly.

Water crossing

Whenever driving across a shallow river or deep puddle, extreme care must be exercised or water may enter the engine air intake causing serious engine damage.

To prevent water being forced through the grille into the engine compartment, tie a sheet of canvas or some other suitable material to the underside of the front bumper bar and wrap it over the bumper, grille and top of the bonnet with a tie back to the door mirrors.

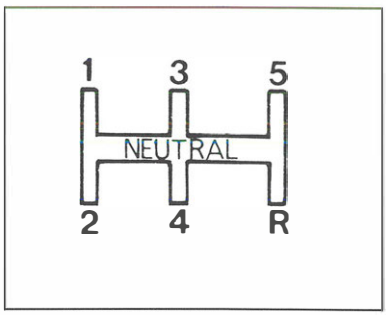
Remember that steady speed and constant traction are necessary for successful water crossing. When the crossing is completed, remove the canvas.

After deep water crossing, check to ensure that no water has entered and mixed with the oil of the following components:

- engine
- transmission
- front and rear differential

MANUAL TRANSMISSION

This system has 5 fully synchronised forward gears and a reverse gear. The shift pattern illustrated, is also found on the end of the gear shift lever.



Never attempt to engage "Reverse" gear until the vehicle has completely stopped. A slight pause between depressing the clutch pedal and moving into "Reverse" gear is desirable to allow all the rotating components to stop and avoid gear crashing.

Operating notes

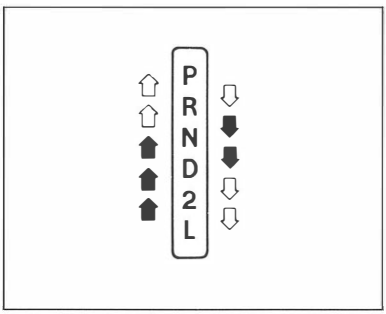
- When shifting from one gear to another, be sure to depress the clutch pedal fully to avoid clashing and possible chipping the transmission gears.
- Shift the gear with a moderate effort to allow time for the transmission synchronizers to work properly.
- Whenever "Reverse" is selected with the ignition on, the reversing lights will operate.
- Do not drive with your foot resting on the clutch pedal as damage to the clutch may result.
- When stopped on an incline do not hold the vehicle by slipping the clutch. Use the park brake or brake pedal.
- When climbing steep grades, change down to a lower gear before the engine starts to labour. To maintain safe speeds on a steep downgrade and to reduce brake wear and overheating, shift into a lower gear before starting the decent.
- Do not over speed the engine when shifting down to the next lowest gear.

AUTOMATIC TRANSMISSION WITH 4ZE1 ENGINE

Depress the square button on the right side of the T-bar handle when shifting to R or P and when shifting from D to 2 to L, as indicated by the white arrow.

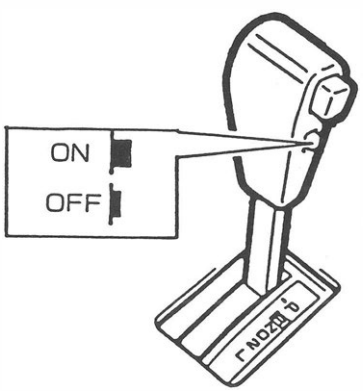
You may shift without depressing the button into any positions indicated by the black arrow.

NOTE: The engine will not start unless the selector is in P (park) or N (neutral).



4th gear (overdrive) switch

The small, round button on the right side of the T-bar handle is the 4th gear (overdrive) switch. When the switch is out and "D" (drive) is selected, the transmission will act as a "4 speed", changing from low gear through to 4th gear, as required by road speed and acceleration.



The transmission, however, will not change to 4th gear (even with the button out) until the engine has reached normal operating temperature.

If engine braking is needed when going downhill in "D" drive or the transmission is repeatedly up and down shifting between 3rd and 4th gears when climbing gentle slopes it is suggested the 4th gear be switched off. To reduce fuel consumption and noise, select overdrive again when these road conditions do not apply. The O.D OFF light on the instrument panel is designed to remind you when 4th gear is switched off.

AUTOMATIC TRANSMISSION WITH 4ZE1 ENGINE cont.

P (park)
This stops the rear wheels from turning and should be selected (together with the park brake) when leaving the vehicle. Never select P until your vehicle is fully stopped.

R (reverse)
Never select R until your vehicle is fully stopped. Reversing light will operate when R is selected and the ignition is on. After reversing, make sure the vehicle has fully stopped before proceeding forward again.

N (neutral)
This is the out-of-gear position. You may then restart a stalled engine while the vehicle is still moving.

D (drive)
This is the normal forward driving position and allows the transmission to choose the appropriate gear for the load and driving conditions.

2 (second)
Use this position when going down a moderate gradient where you want to slow down a little without using the brake. Shift back into the "D" position to return to normal driving.

L (low)
Use this position when strong braking effect is needed on a steep gradient. Remember to shift back to "D" range so that the transmission will again upshift into direct drive.

- Don't rev the engine with the brakes on in either L, 2, D, or R. This will overheat the transmission.
- Don't rev the engine to hold the vehicle on a slope. Use the brakes.
- Don't ever coast the vehicle in N - this lessens your control and the engine braking power.

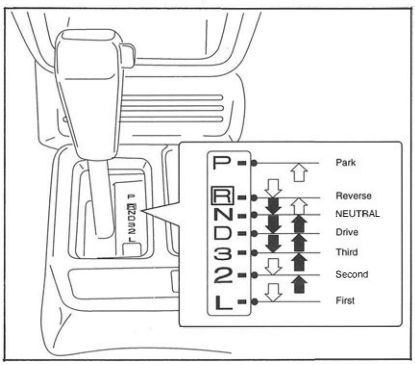
Refer Chapter 7 when checking automatic transmission fluid level.

AUTOMATIC TRANSMISSION WITH 6VD1 ENGINE

Depress the square button on the right side of the T-bar handle when shifting to R or P and when shifting from 3 to 2 to L, as indicated by the white arrow. You may shift without depressing the button into any positions indicated by the black arrow.

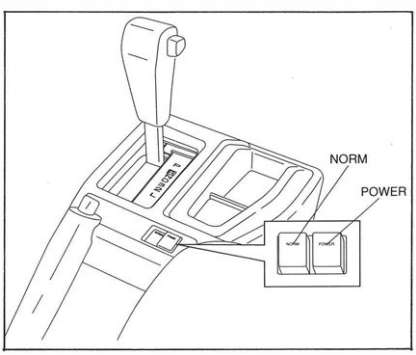
NOTE: The engine will not start unless the selector is in P (park) or N (neutral).

To prevent the vehicle 'creeping' you should always have your foot on the brake pedal when shifting out of Park.



Power/Normal drive

The two buttons marked POWER and NORM control the two shift patterns available with your automatic transmission: POWER and NORMAL. When the POWER button is pressed in, the power light is illuminated and the transmission is operating in the power drive mode. When neither button is pressed in (and no light is illuminated) the NORMAL pattern is selected.



NORMAL drive is the most effective pattern for normal or freeway driving and allows for maximum fuel efficiency.

The POWER drive is recommended when overtaking and gives acceleration, especially in hilly areas or when towing.

If CHECK TRANS warning light flashing

If the light flashes it means that the computer controlling the transmission has found a problem. The vehicle can still be driven when the light is flashing but should be checked by your Holden Dealer as soon as possible.

Depending on the nature of the problem, the transmission may still be able to change gears without your assistance. However, in some cases the transmission's computer may put the transmission into `safety mode'. In safety mode the transmission may not shift automatically and you must then shift the T-Bar lever to change gears at the following recommended speeds.

- High speed driving (over 80 km/h): select "3" or "D".
- Moderate speed driving (under 80 km/h but over 25 km/h): select "2".
- Starting from a stop, driving up or down a steep hill, or for engine braking when towing a trailer downhill: select "L".

AUTOMATIC TRANSMISSION WITH 6VD1 ENGINE cont.

P (park)	This stops the rear wheels from turning and should be selected (together with the park brake) when leaving the vehicle. Never select P until your vehicle is fully stopped. The P position is one of only 2 positions (the other is N) in which your engine may be started.
R (reverse)	Never select R until your vehicle is fully stopped. Reversing light will operate when R is selected and the ignition is on. After reversing, make sure the vehicle has fully stopped before proceeding forward again.
N (neutral)	This is the out-of-gear position. You may then restart a stalled engine while the vehicle is still moving.
D (drive)	This is the normal forward driving position and allows the transmission to choose the appropriate gear (1st through to 4th) for the driving conditions and optimum fuel economy.
3 (third)	This position allows the transmission to shift to 1st, 2nd or 3rd gear as conditions require. 4th gear is excluded. Use this position when going down a long hill or on a road with many sharp curves. Shift back into the "D" position to return to normal driving.
2 (second)	This position allows the transmission to shift to 1st or 2nd gear. Use this position when going down a moderate gradient where you want to slow down a little without using the brake. Shift back into the "D" position to return to normal driving.
L (low)	The transmission cannot shift out of 1st gear when in this position and should only be used when strong braking effect is needed on a very steep hill. The T-bar lever can be shifted back to "L" at any speed. However, the transmission will not actually enter 1st gear until vehicle speed is below 60 km/h. Remember to shift back to "D" to resume normal driving.

- Do not go from P or N to R or D with the accelerator pedal depressed.
- When driving down a long hill, reduce your speed and select a lower range. The engine will provide a braking effect. Remember if you ride the brakes, they may overheat, resulting in reduced performance. This is particularly important when towing.
- Be careful when accelerating, upshifting, downshifting or braking on a slippery surface. The abrupt change in engine speed, such as sudden acceleration or engine braking, could cause the drive wheels to spin or skid.
- Don't rev the engine with the brakes on in either L, 2, 3, D, or R. This will overheat the transmission.
- Don't rev the engine to hold the car on a slope. Use the brakes.
- Don't ever coast the vehicle in N - this lessens your control and the engine braking power.
- Always slow down in gusty crosswinds.
- Refer Chapter 7 for checking automatic transmission fluid level.

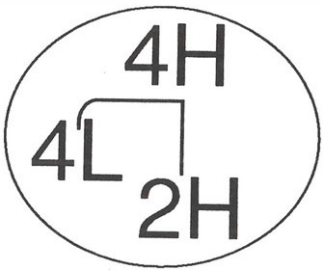
4 WHEEL DRIVE (if fitted)

4 Wheel drive/2 wheel drive selection is made by both transfer lever position (from inside the vehicle) and front (left and right) wheel hub position. That means that the vehicle will not operate in the 4 wheel range until the wheel hubs have been locked - even if the transfer lever is in the 4L or 4H position.

Transfer lever

2H: Rear wheel drive, high range
4H: Four wheel drive, high range
4L: Four wheel drive, low range

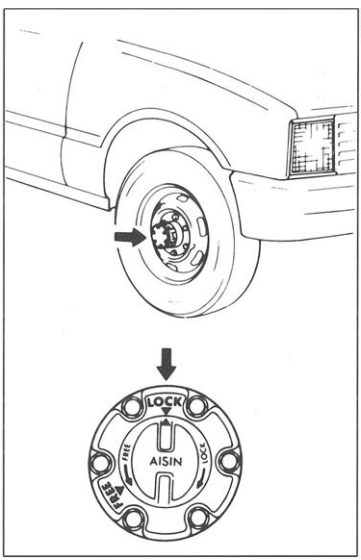
When the transfer lever is in 4H or 4L mode the indicator light on the instrument panel will glow.



To select 4 wheel drive

1. Stop the vehicle.
2. Shift the transfer lever to 4H or 4L.
3. Set both left and right wheel hubs to the "LOCK" position i.e. the arrow in the middle section of the hub lines up with the "LOCK" arrow.

If front hubs are already locked, 4WD can be selected at any speed up to 80 km/h.



To select 2 wheel drive

1. Stop the vehicle.
2. Shift the transfer lever to 2H.
3. Set both left and right front wheel hubs to the "FREE" position.

2WD can be selected at any speed but remember to unlock the wheel hubs when convenient.

To move between 4H and 4L

Automatic Transmission: If your vehicle has automatic transmission, stop the vehicle and move the transmission T-Bar to "N", before moving the 4WD transfer lever to 4L.

Manual Transmission: If your vehicle has manual transmission then you must STOP the vehicle, fully depress the clutch pedal and move the lever from 4H to 4L or 4L to 4H.

4 WHEEL DRIVE (if fitted) and RUNNING IN

MANUAL LOCKING HUB CAUTIONS:

- Never drive the vehicle with the front wheel hubs in the “FREE” position and the transfer lever in 4H or 4L above 5 km/h or 100 metres.
- Never LOCK one hub only - both sides must be either in the "LOCK" or "FREE" position.
- Vehicles should never be operated on hard surfaces or sealed roads for a distance above 1 kilometre in 4L or 4H with the hubs in the “LOCK” position.
- Vehicles should never be manoeuvred through tight turns on hard surfaces when in 4L or 4H with the hubs in the "LOCK" position. This will avoid damage to the drivetrain and/or driveline wind-up.
- To properly run-in front wheel drive axle components, drive the vehicle for the initial 300 km with the wheel hubs in the “LOCK” position.
- To lubricate the front wheel drive axle, the vehicle should be driven for at least 20 km every month in 2WD with the wheel hubs in the "LOCK" position. However, to reduce fuel consumption under normal driving conditions, the wheel hubs should be in the “FREE” position and the transfer lever in the 2H position.

"Running-in”

These days, there’s no need to follow the formal running-in schedule. However, by observing a few simple precautions during the first few hundred kilometres of driving you will greatly assist your vehicle’s future performance and economy.

For the first 500 kilometres, don’t exceed 90 km/h. Up to 1,500 kilometres avoid driving at any one speed - either slow or fast - for any length of time.

Include some higher speeds during this period. Always drive at moderate speed until the engine has completely warmed up.

For the first 500 kilometres heavy braking should be avoided, except in an emergency, since brake misuse during this period could impair future braking efficiency.

It is best to drive your new vehicle for 1,500 kilometres before towing a load. If you must tow before this do not exceed 80 km/h on good roads. No heavy off road towing should be attempted before 1,500 km.

CHAPTER 5

Fuel

Page

5-2 Carbon monoxide caution
5-3 Petrol filling
5-3 Diesel filling
5-3 Fuel Tank capacities
5-4 Emission Control
5-5 Reducing fuel consumption

PETROL

EXHAUST WARNING - CARBON MONOXIDE POISONING

Exhaust gases can produce carbon monoxide, a dangerous gas, which can cause unconsciousness and even death to both humans and animals.

You could inhale the gases if the exhaust system on your vehicle is faulty.

To protect against exhaust gases entering the vehicle, the exhaust system and body should be inspected:

- each time the vehicle is serviced

- whenever a change is noticed in the sound of the exhaust system

- whenever the exhaust system, underbody or rear of the vehicle is damaged.

Take the vehicle to your Holden Dealer if you think your vehicle needs inspecting for any of the above reasons.

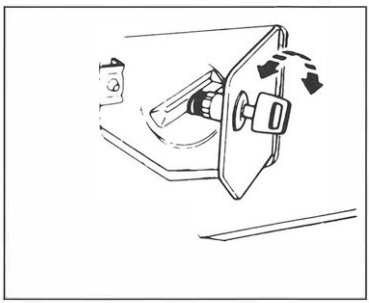
DO NOT SIT (OR LEAVE THE CHILDREN OR PETS) IN A PARKED VEHICLE FOR ANY EXTENDED PERIOD OF TIME WITH THE ENGINE RUNNING. DO NOT RUN THE ENGINE IN AN ENCLOSED AREA (SUCH AS THE GARAGE) ANY LONGER THAN IS NEEDED TO MOVE THE VEHICLE.

Driving with the tailgate open is not recommended. If you *must* travel with the tailgate open, close all windows, ensure that the heater controls are set to outside (rather than re-circulate) with air directed to the face and the fan on the highest speed. Do not exceed 50 km/h unless necessary.

PETROL CAUTION:

- Petrol is extremely flammable and highly explosive.
- Always turn off the engine when refuelling.
- Do not smoke or allow open flames or sparks near the vehicle when refuelling.
- If petrol fumes are smelt while driving, the cause should be found and corrected without delay.

PETROL and DIESEL



The vehicle is equipped with a lockable fuel filler door or cap which can be locked and unlocked with the ignition key.

After refuelling, check to be sure the fuel filler door (or cap) is locked securely.

Fuel tank capacity is as follows:

63 litres	- crew cab
75 litres	- space cab
	- L.W.B. single cab

Petrol engines

Use UNLEADED PETROL of 91 octane rating, or higher.

High octane unleaded petrol ("Premium" etc.) may be used, but is not required by your vehicle.

The use of any other fuel will seriously damage the engine of your vehicle and may void your Warranty. Only clean petrol of good quality should be used.

Petrol tanks should always be filled at the intermediate or fast fill rate. Don't add any more petrol after the petrol filler first clicks off or petrol blows back - as this allows room for the petrol to expand inside the tank.

It is only permissible to "trickle fill" petrol tanks when the vehicle is to be driven for more than 50 km immediately after the tank is filled. However, this is not recommended on days over 30°C.

Wipe off any overflowing petrol from the car immediately; spray or splash with water.

Diesel engines

Use a good quality diesel fuel of at least 47 cetane rating. Note, if the diesel fuel tank is run completely dry the fuel system must be "bled", refer Chapter 6.

PETROL - EMISSION CONTROL

Your vehicle is fitted with emission control systems which are designed to reduce the amount of hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) that are emitted from the engine and fuel system into the atmosphere. Hydrocarbons and oxides of nitrogen, when exposed to sunlight under certain conditions can contribute to smog. In addition, carbon monoxide is toxic when it becomes highly concentrated in the air.

The three major emission control systems fitted to your vehicle are:

1. **Evaporative Emission Control System**
   This system is designed to prevent the escape of fuel vapour from the fuel system and recycle them through the normal combustion process.
2. **Crankcase Emission Control System**
   This system is designed to prevent blow-by gases from escaping into the atmosphere and recycle them through the combustion process.
3. **Exhaust Emission Control System**
   The various components of this system operate collectively to limit HC, CO and NOx emissions in the exhaust gas. The exhaust Emission Control System is comprised of components including electronic control of spark, fuel and idle speed. In addition, Australian vehicles have a catalytic converter and closed loop mixture control system.

For detailed information on the operation, servicing and repair procedures for these systems, refer to your vehicle's service manual and/or the emission label inside the engine compartment (on the passenger side strut tower) of your vehicle.

Owner responsibility

Vehicles sold and serviced within Australia have been designed to comply with Australian Design Rules and State Regulation emission requirements.

The engine or exhaust system of the vehicle must NOT be modified in any way. Any change to the design may increase the emissions or otherwise defeat the intent of the regulations.

Any person who removes, modifies or hinders any part of the emission control system will be contravening regulations. It is also illegal to drive a vehicle modified in this way.

First drive

When the vehicle is driven for the first time, wax and oil on the exhaust system may evaporate, producing smoke-like emissions that should not be inhaled. Allow wax and oil to evaporate while the vehicle is in the open air.

Maintenance requirements

To ensure continuing compliance with the regulations you must maintain your vehicle's emission control system as per your vehicle's service manual, at the frequency shown in the Maintenance Schedule in chapter 12.

It is recommended that the necessary servicing be performed by an authorised Holden Dealer who has the specialised servicing equipment and trained personnel available to ensure that the adjustments and services specified are carried out.

REDUCING FUEL CONSUMPTION

Engine

Maintain the engine in peak mechanical condition by having it serviced regularly in accordance the Maintenance Schedule on Chapter 12. This will ensure items such as the spark plugs and air cleaner are maintained for minimum fuel usage and peak engine performance.

Tyre pressure

Keep the tyres at the recommended pressures. Under-inflated tyres create extra rolling resistance and wastes fuel, refer Chapter 7.

Incorrect tyre pressures can also cause uneven and premature tyre wear.

Wheel alignment

Maintain correct front wheel alignment. Incorrect alignment makes the front wheels drag, wastes fuel and causes uneven and premature tyre wear.

Warm ups and idling

Avoid long engine warm ups. They are unnecessary and waste fuel. An engine takes approximately five minutes to reach its efficient operating temperature and it does this most effectively when driving.

You should also avoid long engine idling. If your have to wait for more than a couple of minutes turn off the engine to conserve fuel.

Accelerating, driving and braking

Accelerate gently - avoid rapid starts, sudden bursts of speed and full throttle acceleration - they're certain fuel wasters.

Drive the vehicle at steady speeds where possible (after run-in). It is desirable to reach top gear as soon as possible, but under no circumstances should you force the engine to labour in top gear.

Riding the brake

Do not rest your foot on the brake pedal when you do not intend to brake, as this can overheat the brakes, increase brake pad wear, damage the brakes and waste fuel.

Air conditioning

Turn off the air conditioning, when not required. However, once every two weeks, with the engine running, switch the air conditioner on for 5 to 10 minutes, even in Winter, to lubricate seals.

CHAPTER 6

Emergencies

Page

6-2 Accident
6-3 Medical assistance
6-4 Flat tyre
6-7 Towing a disabled vehicle
6-7 Hazard warning flasher
6-8 Engine overheating
6-10 Flat battery
6-12 Fuses
6-13 Bulb replacement
6-16 Draining diesel water separator
6-17 Bleeding diesel fuel system

Your new vehicle is covered for 3 years by 24 hour Roadside Assistance, refer Chapter 9.

ACCIDENTS

All drivers are advised to learn what to do at the scene of an accident, particularly where people are injured. Injured people can choke to death if their air passages are not cleared, they can bleed to death unless the bleeding is stopped, they may require mouth-to mouth resuscitation or may have to be moved, even though badly injured. It is important that you understand how to avoid further damaging an injured neck or back or other broken limbs. In all cases, ensure safety for rescuers, victims and bystanders.

The following notes may help.

Accident - being involved

Stop immediately and remember to turn off the engine and apply the park brake.

Remember that time is vital. Remain calm and alert. Think quickly and clearly.

Give all possible assistance to all injured persons (see following page).

Send for police and ambulance if anyone has been injured. Give information as accurately as possible: the exact location, the number of injured people and a brief report on the overall situation.

Perhaps take charge of the situation.

Warn all other traffic approaching the scene. Turn off ignition switches. Stop any smoking near spilt petrol. In darkness, try and light up the area to warn others, using a torch or headlights (do not use flammable items).

Clear the road of accident debris.

Exchange your name, address, vehicle registration, owner's name and address with the other parties involved in the accident.

If damage to property only has occurred, report the facts to the owner of the damaged property or to his/her representative, to any police present at the scene or to the nearest Police Station.

Try to note all important facts because such details may be important if needed later.

Accident - being a witness

If you witness a road accident or it becomes your task to stop and help:

- Keep in mind that an observant witness can prove most helpful. Some day you yourself might be very glad of help from a witness.
- DO NOT stop at the scene of an accident just to be a spectator. If other people are already in attendance and giving assistance, you should stop only if you can contribute assistance.
- Give what assistance you can to any injured persons (see following page).
- Follow most of the steps suggested above. Perhaps you may have to take charge of the accident situation.

ACCIDENTS

Medical assistance

Keep calm and think clearly. Your experience may not be much but do your best.

- Look after the unconscious person first. Check airway, breathing and circulation. If no breathing, then check if air passages are clear, i.e. nose and mouth. Use your fingers to clear air passages if necessary. If the air way is clear then mouth-to-mouth resuscitation may be needed at once.

Unconscious people can choke.
Carefully turn to one side.
Tilt the head back slightly.
Wipe out the mouth with your finger to remove blood, vomit, broken teeth or dentures.

- You must be very careful when moving an injured person. It is best not to move at all, except if in danger, as serious and permanent damage can be done to an injured neck or back if not supported during movement. NEVER BEND OR TWIST A NECK OR BACK. KEEP THEM STRAIGHT. All injured limbs require support when an injured person has to be moved.

- Provided it is not dangerous to do so because of other injures, an unconscious person will do best in the position illustrated here.

Lay the person on one side and - if it will not aggravate any injuries
Bend the uppermost knee until the thigh is at right angles to the body.
Bend the uppermost arm and elbow so that the hand lies near the face.
Gently pull the underneath arm so that it rests straight on the ground, free of any body weight.

- Try to stop bleeding by applying direct pressure, using your hand, or by pressing torn flesh together. Use any clean cloth available. Fold cloths to make pads. If necessary press one pad on top of another. Keep pressure around edges of a wound BUT NEVER USE A TOURNIQUET.

- Shock may be treated by reassurance, relieving pain, controlling any bleeding and keeping the injured person warm but not hot. Best not to give any fluids and NEVER ALCOHOL.

- If the injured person is in danger and has to be moved, try and have three or four people help, concentrating on not bending or twisting the neck, spine and injured limbs. Keeping the neck and spine straight is most important.

Illustrations reproduced from "The Victorian Road Code" with permission from Road Safety and Traffic Authority of Victoria.

FLAT TYRE

CAUTIONS:

- Use the jack only for lifting the vehicle when changing wheels.
- Never get beneath the vehicle when it is only supported by the jack.
- Do not start or run the engine while the vehicle is only supported by the jack.
- All passengers should be out of the vehicle when it is being jacked.
- Use the jack only at the designated lifting points. Use in other locations can damage the vehicle.
- The vehicle should only be jacked on hard, level surfaces.

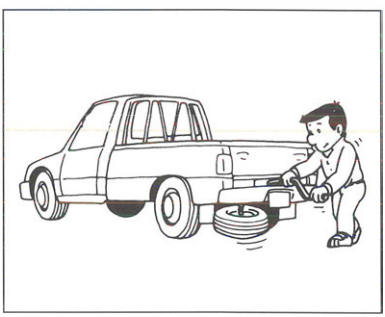
1. Park on a level surface, set the park brake firmly and turn on the hazard flasher.

2. Remove the ignition key and place automatic transmissions in PARK and manual transmissions in REVERSE gear.

3. Remove the spare wheel, which is secured to the rear part of the chassis frame with a chain.

   To lower the spare wheel, insert the jack handle into the hole in the rear face of the vehicle to engage the catch and turn the handle anti-clockwise.

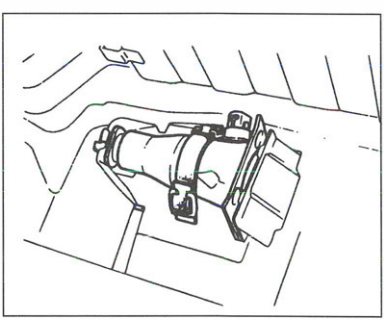
   To raise, turn the handle clockwise to "stop" and give an additional turn to securely hold the spare wheel in position.



4. Remove the tools

   Single cab models:

   The jack and wheel wrench are stored behind the rear of the seat. The jack handle is stored on the back panel. To access, tilt the back of the seat forward, using the lever attached to the back of the seat.

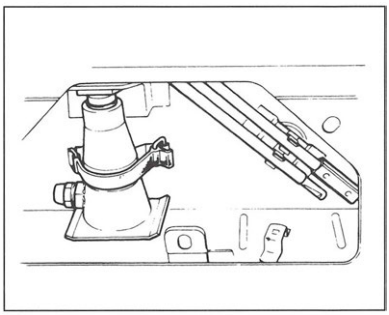


FLAT TYRE

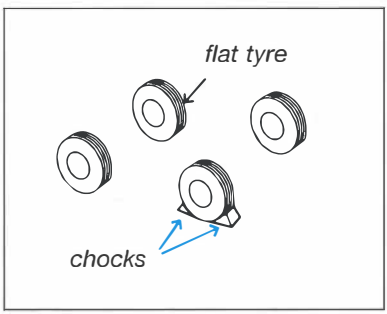
Remove the tools

Crew cab and space cab models:

The jack, wheel wrench and (two piece) jack handle are stored in a compartment. This is located at the rear of the passenger's seat for space cabs. Crew cab models have the compartment located under the rear seat. To access, lift up the rear seat cushion, which is fastened by a lock catch under the centre of the seat.



5. Block the wheel diagonally opposite the jacking position.



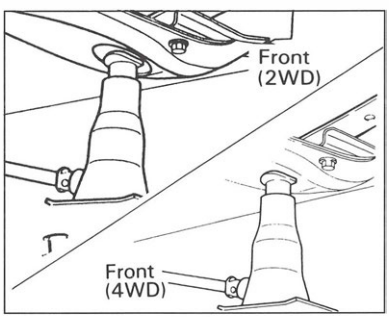
6. Loosen, but do not remove, wheel nuts by turning the wheel wrench anti-clockwise.

7. Place jack at recommended jacking point.

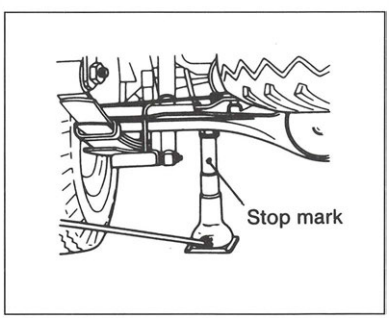
Front

2WD: Concave bottom surface of the cab mounting centre bracket.

4WD: Bottom surface of the transmission crossmember with concave position.



Rear: under the rear axle housing near the wheel.



FLAT TYRE

Ensure that the jack is not tilted and that the base is resting squarely on the ground.

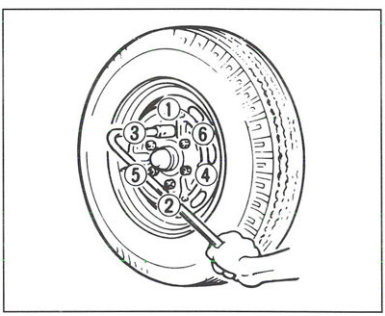
CAUTION:

Failure to position the jack as described could result in serious personal injury or vehicle damage caused by the vehicle slipping off the jack.

8. Raise the vehicle until the wheel is clear of the ground. Remove the wheel nuts and place (together) in a dry spot to avoid getting dirt in the threads.

9. Remove the wheel from the vehicle and change it over with the spare.

10. Replace centre cap (if so equipped), replace the wheels nuts and tighten by hand. Then, with the wheel wrench, lightly tighten in the sequence shown.



11. Lower the vehicle completely and remove the jack.

12. Fully tighten the wheel nuts with the wheel wrench in the sequence shown above.

13. Stow the jack, jack handle, wheel wrench and flat tyre in the rear of the vehicle, as shown on earlier in this Chapter.

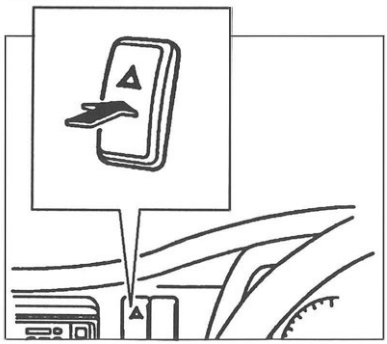
14. Have the tyre repaired as soon as possible.

CAUTION:

As soon as possible after changing a wheel, you should have the wheel nuts tightened with a torque wrench to 120 Nm (87 ft.lbs).

Wheel nuts should be tightened evenly to the correct torque in the sequence shown as improperly tightened wheel nuts could eventually allow the wheel to come off while the vehicle is moving!

TOWING A DISABLED VEHICLE



Hazard warning flasher

Use the hazard warning flasher to warn other drivers any time your vehicle becomes a traffic hazard, day or night. Avoid stopping on the roadway if possible.

Turn the hazard warning flasher on or off by pushing the switch. The arrow symbols on the instrument panel will both flash simultaneously and all four external signal lights will flash continuously.

The hazard warning flasher will work with the ignition either off or on.

Towing a disabled vehicle

Proper lifting or towing equipment is necessary when lifting or towing the vehicle to prevent damage during any towing operation. State and Local laws must be followed. In an emergency, your vehicle may be towed on all four wheels in the following manner:

- Fit the towing equipment to one of the towing eyes on the front subframe below the front bumper. Do not attach to the bumpers or brackets.
- Place transmission in neutral position and release the park brake.
- Switch the ignition key to "ON" position. This will free the steering lock and allow the correct operation of windscreen wipers and turn signals.
- For the sake of safety and to prevent damage to the vehicle it is advisable to avoid jerky movements and to drive slowly during towing operations.
- Remember that power assist for brakes and power steering (where fitted) will not be available when the engine is off.
- To prevent the entry of exhaust fumes from the towing vehicle into the passenger compartment of your vehicle, close the windows and stop entry of air by moving heating and ventilation controls to "OFF" position.
- Vehicles fitted with automatic transmissions must not be towed for more than 55 kms or at over 55 km/h unless the propeller shaft is removed.
- Vehicles with damaged transmissions must not be towed unless the propeller shaft is removed.
- Only the driver should be in a towed vehicle.

ENGINE OVERHEATING

CAUTION: If the temperature gauge shows overheating, or if you suspect the engine of overheating, immediate action is required. Continued driving EVEN FOR A SHORT TIME could cause a fire, personal injury and/or severe vehicle damage.

If the coolant temperature gauge needle should move to the "H" position and remain there for more than 30 seconds, pull over to the side of the road. Leave the engine idling while you step out of the vehicle to check that the cooling fan is working.

CAUTION: Do not open the bonnet if you can see or hear steam or water escaping. Wait until no steam or water can be seen or heard before opening the bonnet.

If the fan is working and the temperature gauge is still climbing, then turn the ignition key to LOCK.

Look for leaks at the radiator hoses and connections, heater hoses and connections, radiator and water pump and fan belt. Take care when checking all these areas as they will probably still be hot.

If you find a major leak or find other problems that may have caused the engine to overheat, do not run the engine until these problems have been corrected.

If you do not find anything wrong then you should check the engine coolant level in the surge tank, refer chapter 7 for location.

CAUTION: Do not remove the cooling system cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.

ENGINE OVERHEATING

When the engine has cooled sufficiently cover the radiator cap with a thick cloth, and turn slowly anti-clockwise (without pressing down) until it reaches a "stop". This is the pressure relief stop, which will allow any remaining pressure (indicated by a hissing sound) to escape. Then press down on the radiator cap and continue turning it anti-clockwise until it can be removed.

With the radiator cap OFF, top up the surge tank if required (refer chapter 7 for location). Remember to ensure surge tank cap is secure after filling. Then, WHILE THE ENGINE IS IDLING, top up the radiator (if required) and replace the radiator cap.

If, after taking one or more of the actions above and once the temperature gauge no longer signals an overheat condition you can resume driving at a reduced speed. Return to normal driving after ten minutes if the temperature gauge does not again show an overheat condition.

If overheating occurs again you should have the vehicle attended to, as soon as possible, by a qualified mechanic.

NOTE: The engine may temporarily operate at high temperatures during more demanding operating conditions, especially on very hot days. These conditions include:

- climbing a long hill
- stopping immediately after high speed driving
- idling for long periods in traffic
- towing a heavily laden trailer or caravan.

You should avoid operating your vehicle for prolonged periods in any of the above circumstances if the temperature gauge indicates high engine coolant temperature.

Refer to Chapter 7 which gives maintenance instructions to help protect your cooling system from overheating.

FLAT BATTERY

CAUTION: DO NOT "push start" or "tow start" your vehicle. If unburnt fuel were to reach the catalytic converter and ignite, the converter could overheat or be destroyed by backfire. Therefore, if the battery is flat, you can "jump start", but not "push start" your vehicle.

If your vehicle will not start due to a discharged battery, it can often be started by using energy from another battery - a procedure called "jump starting".

However, if after reading the following procedure you are still unsure about "jump starting" we strongly recommend for your safety and that of your vehicle that you leave the starting to a competent mechanic.

Jump starting

CAUTIONS:

Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause burns. Therefore, to lessen the chance of personal injury when working near a battery:

- Do not expose the battery to open flames or sparks. Battery action generates hydrogen gas which is flammable and explosive.
- Do not smoke near a battery.
- Wear eye protection such as industrial safety glasses and avoid leaning over the battery whenever possible.
- Do not allow battery acid to contact eyes or skin. Flush any contacted area with water immediately. In case of eye contact you should get medical help. Battery acid will also damage paint and fabrics if not washed off immediately.
- Be sure any batteries that have filler caps are properly filled with fluid.
- Remove rings, metal watch bands and other metal jewellery before working around the battery.
- Carefully follow each step in the jump starting procedures.
- Never use a quick charger to start your engine.

FLAT BATTERY

1. The battery in your vehicle has a negative earth and a 12 volt rating. The battery in the other vehicle **MUST** also have a negative earth and a 12 volt rating.

2. Position the two vehicles so that they are NOT touching, apply the park brakes, put automatic transmission in PARK, manuals in NEUTRAL. Turn ignition to LOCK and switch off all lights and accessories in both vehicles, except the hazard warning flasher or any lights needed for the work area.

3. Attach one end of the RED jumper lead to the positive terminal of the booster battery (identified by a red colour, + or P) and the other end of the RED jumper lead to the positive terminal of the flat battery.

4. Attach one end of the BLACK jumper lead to the negative terminal of the booster battery (identified by a black colour, - or N) and the other end of the BLACK jumper lead to a solid stationary, metallic point on the engine of the vehicle with the flat battery. DO NOT CONNECT DIRECTLY TO NEGATIVE TERMINAL OF VEHICLE'S BATTERY.

5. When making all connections take care that the jumper lead clamps do not touch each other. Also, ensure that jumper leads are not on or near pulleys, fans or other points that will move when the engine is started.

6. Start the engine in the vehicle with the good battery and run the engine at a moderate speed. Then start the engine with the flat battery. Attempts to start the engine should not last longer than 15 seconds and should have an interval of 1 minute between attempts.

7. After starting, allow both engines to idle for approx. 3 minutes with the leads still connected.

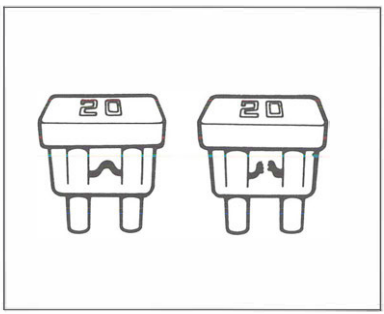
8. Leave the engine running while removing the jumper leads - in the exact reverse order they were installed. While removing each clamp, take care that it does not touch any other metal while the other end remains attached.

FUSES

Fuses

The fuse panel is located under the instrument panel on the driver's side. Additional fuses will also be found in a fuse box within the engine compartment, also on the driver's side.

If a fuse has blown out check to locate the cause of trouble and give the necessary service attention before replacing the fuse. In the illustration, the fuse on the right shows a burnt out fuse.



CAUTION: When replacing a fuse be sure to use a fuse of the specified amperage, as indicated on the fuse box panel cover. Never install a wire or similar for replacement as it may cause a fire hazard to the vehicle. If the replaced fuse also burns out you should see your Holden Dealer.

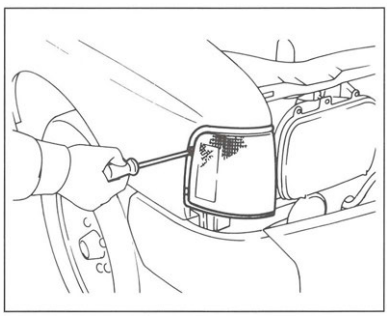
BULB REPLACEMENT

Headlights

Proper aiming of the headlights is most important to assure correct illumination of the highway without blinding other motorists. Headlight aiming or replacement should be carried out by your Holden Dealer. The halogen bulbs have a capacity of 60/55 watts.

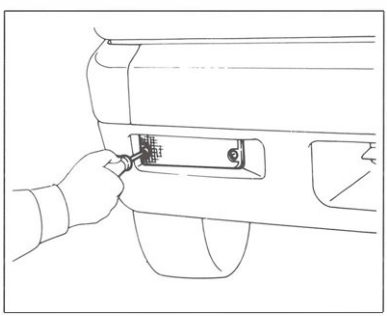
Clearance lights

Unscrew the screws securing the lens. The bulb has a capacity of 5 watts.



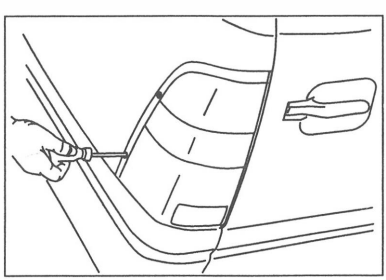
Front turn signal lights

Unscrew each of the two screws securing the lens. The bulbs have a capacity of 23 watts.



Rear combination lights.

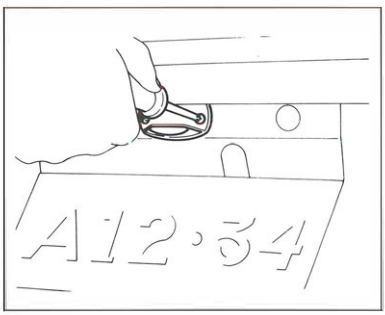
Unscrew the screws securing the lens. The bulbs have the following capacities: Turn signal lights: 21 watts Stop/tail: 21/5 watts Back-up lights: 21 watts



BULB REPLACEMENT

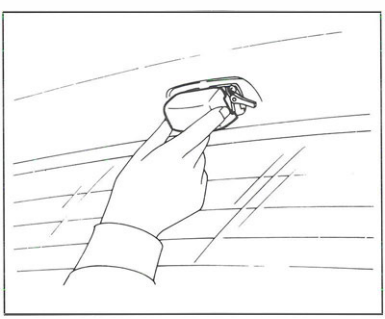
Licence plate lights

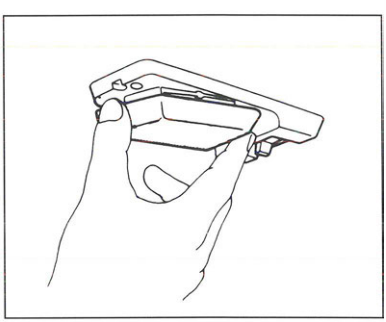
Unscrew the two screws securing the lens. The bulb has a capacity of 5 watts.



Interior lights

The lens can be pulled out by hand. The bulb has a capacity of 10w.

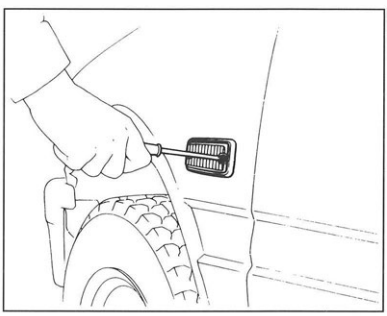




BULB REPLACEMENT

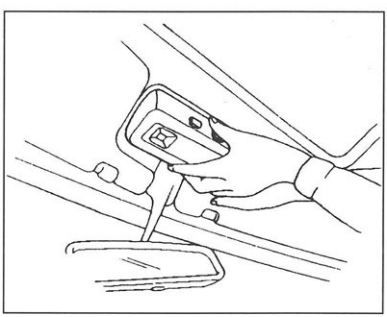
Side flasher lights

Unscrew the two screws securing the lens.
The bulb has a capacity of 5 watts

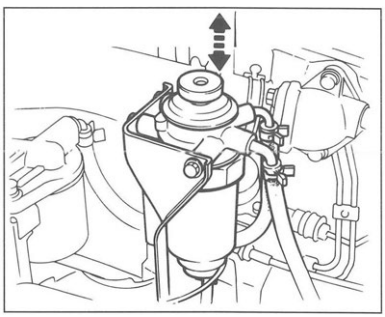


LS Reading light

Pull down the light assembly by hand.
Remove the bulb by turning anti-clockwise.
The bulb has a capacity of 5 watts.



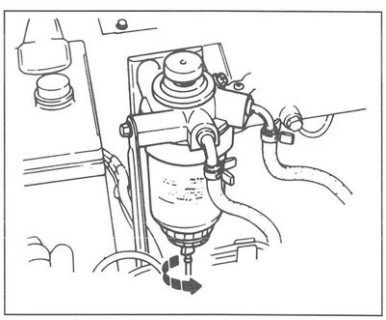
DRAINING WATER SEPARATOR (diesel)



The fuel filter has a sedimentor chamber for settling water separated from fuel. If the indicator glows on the instrument panel (refer Chapter 12) the water in the sedimentor chamber must be drained.

Open the bonnet and place a small container (approximately 0.2 litre capacity) at the end of the vinyl hose beneath the drain plug on the separator.

Loosen the drain plug (approximately five turns) and operate the manual pump up and down (about 10 times) until 0.1 litres of water has been drained.



After draining, securely tighten the drain plug and operate the manual pump up and down several times.

After starting the engine, check to see that no fuel leaks from the drain plug. Also check to see that the indicator light has turned off.

If the water separator requires frequent draining, have the fuel tank drained for removal of water at your Holden Dealer.

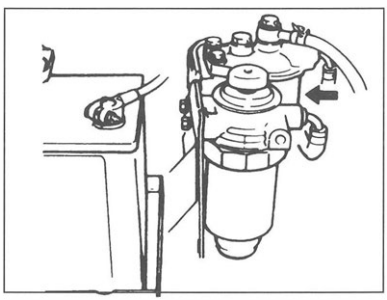
BLEEDING FUEL SYSTEM (diesel)

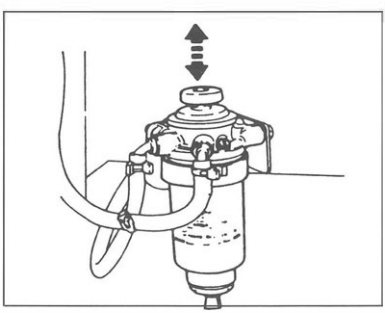
If the fuel tank has been emptied, the chance is that air might have entered the fuel system. With air in the fuel system, smooth flow of fuel into the engine is interrupted and to correct this, bleeding of the fuel system should be performed after refuelling.

1 Operate the hand pump on the water separator to bleed fuel system air into the injection pump.

2. Start the engine with the starter switch when the bleeding has finished.

3. If the engine does not start within ten seconds, repeat steps 1 and 2.





CHAPTER 7

Weekly checks

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MISCELLANEOUS CHECKS

As well as taking your vehicle to be serviced (refer Chapter 12) there are a few simple, weekly checks that the owner (or Nominee) is required to make. These are shown on the following pages.

CAUTION: Engine cooling fans can start working unexpectedly, even when the engine is not running. To avoid injury from the fan, make sure the ignition key is switched OFF, so that the fan cannot start operating.

CAUTION: Electronic ignition systems have a high ignition power. Do not touch the ignition system; this could be highly dangerous.

The following checks should also be regularly done to ensure safety of your vehicle.

- that all exterior lights are working and that their appropriate interior indicators light up.
- mirrors and glass are clean and not scratched.
- the aim of water on the windscreen or tailgate and condition of the wipers.
- demister operates.
- horn works.
- condition and operation of all seat belts and check that buckles are clean and operating correctly. Remember that seat belts must never be worn twisted.

Service manuals

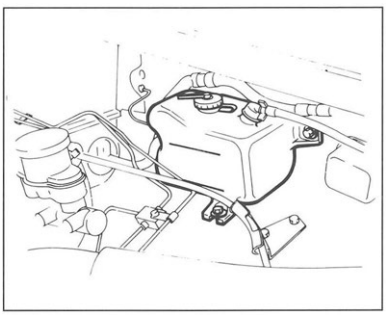
Service manuals are available from your Dealer.

ENGINE COOLANT LEVEL

To check the coolant level

The level of coolant should be checked at weekly. This is simply a matter of looking at the level in the plastic container, called the surge tank.

When the engine is cold the coolant level should be at or above the minimum mark on the surge tank. After the vehicle has been driven and the engine is at normal operating temperature the level should be somewhere between half full and the maximum mark on the surge tank.



To add coolant

The LONG LIFE COOLANT in your vehicle conforms to Holden specification number HN 2043. This can be purchased as:

M40236 (1 litre)
M40307 (5 litres)
M40238 (20 litres)

If the surge tank requires topping up, first pre-mix a solution of 50% LONG LIFE COOLANT and 50% water.

Ensure the ignition is switched OFF.

Undo the cap on the top of the surge tank, add the pre-mixed solution and secure the cap.

Failure to use the coolant meeting Holden's specification or maintaining the specified concentration may result in voiding your warranty.

In emergency situations, plain water may be used temporarily until the correct Holden long life coolant is obtained as soon as possible from the nearest Holden Dealer.

The specified long life coolant works in three ways: it contains special corrosion inhibitors, it helps the cooling system in hot weather by increasing the boiling point and it protects against freezing down to -30°C, provided the correct concentration is maintained.

If you regularly have to top up the cooling system you should see your Holden Dealer.

CAUTION:
Corrosion inhibitors and anti-freeze fluids are poisonous. Use extreme care when handling. If swallowed seek medical attention.

Refer to Chapter 6 if engine overheats.

ENGINE OIL LEVEL

To check the level

- The oil level should be checked weekly.
- Check the level when the oil is warm, such as when stopping for fuel.
- The vehicle must be on level ground.
- After switching off the engine, wait a few minutes for the oil to settle.

The level is checked from the dipstick.

Remove the dipstick and wipe it clean with a clean cloth or paper. Insert the dipstick firmly all the way down, pause for a second then withdraw the dipstick and look at the oil level on it. *Jiggling the dipstick may help while re-inserting it.*

The oil level should be between the two dimples, neither going above the MAX mark nor under the MIN mark. Remember to re-insert the dipstick firmly after taking the reading.

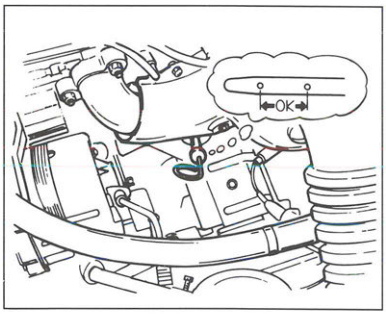
To add oil

Petrol engines: use SG or SH grade engine oil 20W/50, or 15W/40 for prolonged use in snow areas.

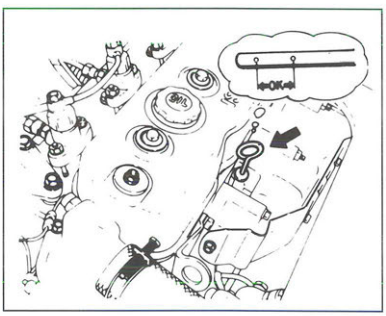
Diesel engines: use CD, CE, CF or CG grade engine oil SAE30 (single grade) or 15W/40 (multigrade)

If oil needs to be added, remove the oil cap on top of the engine. Pour the required oil into the opening. Wait a few minutes for the oil to settle. Then check the oil level with the dipstick again. If still too low, add more oil. When correct, replace the cap and the dipstick.

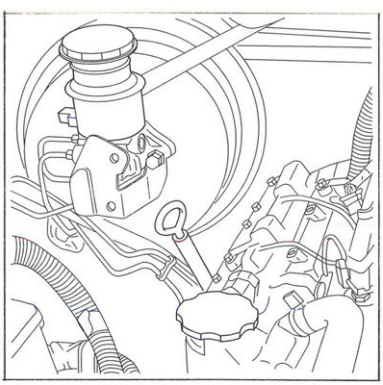
If you check the oil level when the oil is cold do not run the engine first, as the cold oil will not drain back into the oil pan fast enough to give an accurate reading.



Petrol: 4ZE1



Diesel



Petrol: 6VD1

ENGINE OIL CONSUMPTION

Every internal combustion engine uses a certain amount of oil, especially when running-in. The engine is dependant on oil for lubricating the cylinder walls, pistons, rings and valve stems. A thin film of oil is left on the cylinder walls, some of which is carried into the combustion chamber and burnt during the combustion process. This also applies to the film of oil on the valve stems which is drawn into the combustion chamber and burnt.

There are several other factors that contribute to the rate of oil consumption in your engine: worn pistons, rings, valve stems and guides; the way in which the vehicle is operated; the quality and grade of oil; the oil level, and dilution of the oil.

• Operation of the vehicle

High speed driving and heavy towing increases engine temperature, which lowers oil viscosity, causing more oil to reach the combustion chamber and get burnt away.

• Quality and grade of oil

Oil viscosity is a significant factor in oil consumption. If you use an oil which is too "thin" (low viscosity) your oil consumption will increase. Use only the recommended grades of oil.

• Oil level

Maintaining a proper oil level is also an important factor in controlling oil consumption. An over full engine will splash oil onto the cylinder walls in quantities greater than the piston rings can control. This excess oil will be drawn into the combustion chamber and burnt, or may result in aeration of oil in the sump causing damage to the engine.

• Dilution

Probably the most prevalent complaint of oil consumption comes from the driver whose vehicle is frequently driven at below normal operating temperatures. The oil becomes diluted by fuel and moisture which settles in the oil pan and may even raise the oil level creating a false reading on the oil level dipstick. For example, in a vehicle that has accumulated 1,500 km of short distance or intermittent city operation and has consumed a normal amount of oil, the level may not have dropped from the FULL mark, due to dilution. If this vehicle is driven for some distance at highway speeds on a warm day, the dilution elements evaporate, lowering the oil level and the motorist assumes the oil "lost" has been consumed in the highway operation.

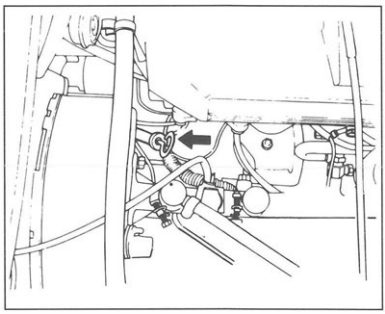
If, after taking into account the above factors you are still concerned that your engine has excessive oil consumption then you should discuss the situation with a Holden Dealer. Remember that an engine's oil consumption should not be judged until it has run at least 7,000 km.

AUTOMATIC TRANSMISSION LEVEL

4ZE1 engine

If your vehicle is fitted with an automatic transmission, the level should be checked weekly, by looking at the fluid level on the dipstick. Dirt in the transmission can cause breakdowns, so be careful when checking or adding fluid.

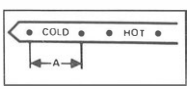
NOTE: If fluid has to be added often, there may be a problem or leak - and you should see your Holden Dealer.



4ZE1 Fluid level - cold check

The procedure for checking a cold transmission is as follows:

1. Vehicle to be parked on level surface.
2. Apply the park brake and place the shift lever in PARK. DO NOT MOVE THROUGH RANGES.
3. Start the engine.
4. Check the fluid level. This check must be performed after the engine has been allowed to idle for one minute and not longer than two minutes. To check the level, withdraw the dipstick, wipe it clean, insert it as far as it will go and then remove again. The correct level is between the two "cold" marks (A).

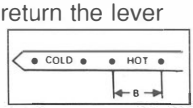


If adding fluid, use only DEXRON®III AUTOMATIC TRANSMISSION FLUID. Add the fluid in the same opening as the dipstick is stored in and wait one minute for the fluid to settle. Again check the level with the dipstick and add further oil if necessary. Remember to always replace the dipstick.

4ZE1 Fluid level - hot check

To check the fluid level when the transmission is warmed up to normal operating temperature the following procedure should be used.

1. Park the vehicle on level surface and leave engine idling.
2. Move the shift lever through each position from "P" to "L", then return the lever to "P" and leave the engine idling.
3. To check the level, withdraw the dipstick, wipe it clean, re-insert it as far as it will go and then remove it. The correct level is between the two "hot" marks (B).



If adding fluid, use only DEXRON®III AUTOMATIC TRANSMISSION FLUID. Add the fluid in the same opening as the dipstick is stored in, and wait one minute for the fluid to settle. Again check the level with the dipstick and add further oil if necessary. Remember to always replace the dipstick.

6VD1 engine

The automatic transmission fluid level will be checked by your Holden Dealer when the vehicle is serviced. If an oil leak is seen before the service is due you should consult a Holden Dealer as soon as possible. The transmission fluid level should be replaced at the intervals shown in the Maintenance Schedule, shown in Chapter 12.

BRAKE & CLUTCH FLUID LEVELS

Brake fluid level

CAUTION: Brake fluid is poisonous and corrosive and will damage the paint finish of your car if spilt.

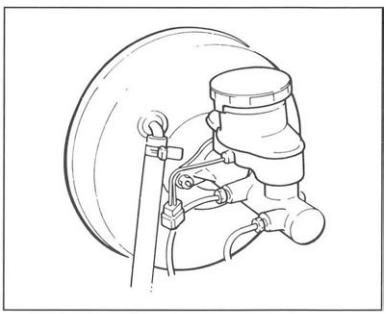
The brake fluid level should be checked weekly. The fluid level, is visible through the container and should be maintained between the MIN (or ADD) and MAX level marks. If the fluid is between these levels do not remove the cap, as brake fluid will quickly absorb moisture if exposed to the atmosphere.

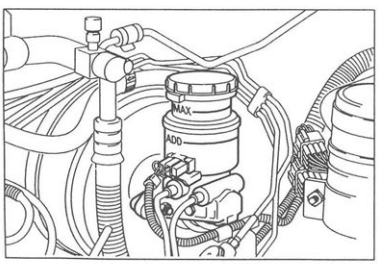
If fluid does need to be added, first ensure that the ignition is switched to OFF.

Wipe clean the sides of the cap and remove the cap. Top up with heavy duty brake fluid, which meets Holden specification number HN 1796. Remember to replace the cap.

Use only new brake fluid. Use of old, used or inferior brake fluid may endanger the functioning of the brake system.

If the brake fluid requires constant topping up it could indicate that a fault exists and should immediately see your Holden Dealer.





Clutch fluid level

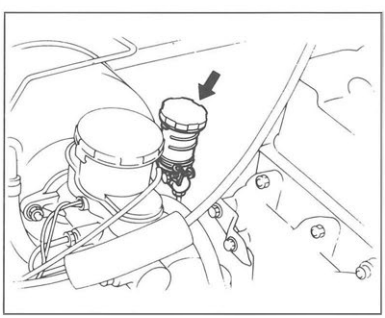
The clutch fluid level should be checked weekly. The fluid level, is visible through the container and should be maintained between the MIN and MAX level marks. If the fluid is between these levels do not remove the cap, as the fluid will quickly absorb moisture if exposed to the atmosphere .

If fluid does need to be added, first ensure that the ignition is switched OFF.

Wipe clean the sides of the cap and remove the cap. Top up with heavy duty brake fluid (both the clutch system and the brake system use **brake** fluid) which meets Holden specification number HN 1796. Remember to replace the cap.

Use only new fluid. Use of old, used or inferior fluid may endanger the functioning of the clutch system.

If the clutch fluid requires constant topping up it could indicate that a fault exists and should immediately see your Holden Dealer.



POWER STEERING & WASHER FLUID LEVELS

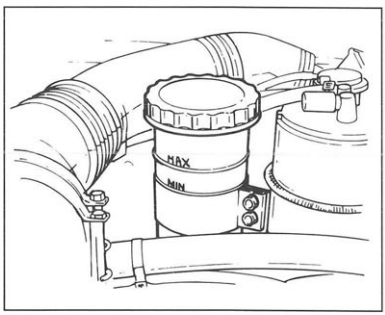
Power steering fluid level

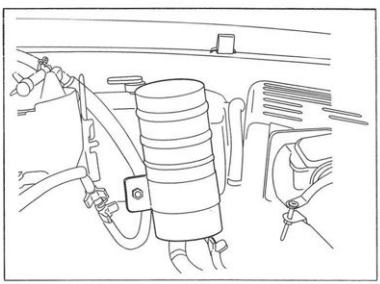
The level should be checked after the vehicle has been driven for a while (at least 20 minutes) so that the fluid is warm. A convenient time is when stopping for petrol.

Ensure the ignition is switched OFF.

The level should be maintained between the level markings on the outside of the reservoir.

If fluid needs to be added, use DEXRON®III. Do not fill over the maximum level and remember to replace the cap tightly. If you often need to add fluid, you should see your Holden Dealer to have the power steering system checked.





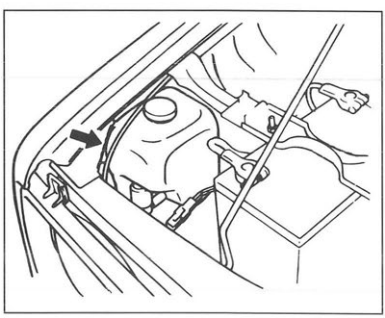
Washer fluid level

As washer fluid is constantly used the level should be checked and topped up weekly.

Maintain the fluid level indicated on the outside of the container.

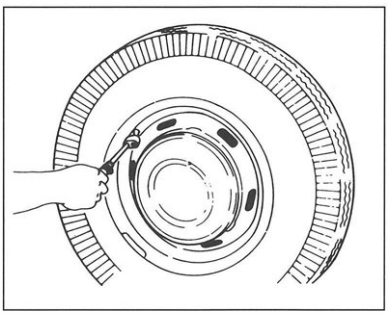
For a crystal clear windscreen, the correct amount of Optikleen (part number M39826) can be added. Do not use ordinary soap or detergent as these not only froth up but will also damage the wiper rubbers.

Make sure the cap is secured.



TYRES

Tyre air pressure



Weekly checking of the air pressure of your tyres (including the spare) ensures your safety, as well as reducing fuel consumption and increasing the life of your tyres.

For constant long distance or rough road driving, daily checking is recommended.

Tyre inflation pressure increases when the tyres have been driven more than 2 km. Therefore, the pressure should be checked when the tyres have been stationary for over 3 hours. If they must be checked while driving allow 10% more pressure.

MODEL	TYRE	LOAD	PRESSURES (kPa)	
			FRONT	REAR
4WD	205R16 104Q	Up to 2 passengers	220	210
		Up to maximum load	240	270 #
	205R16LT 6PR	Up to 2 passengers	220	210
		Up to maximum load	240	300
2WD	185R14-8PR LT	Up to 2 passengers	220	220
		Up to maximum load	220	450
	215R15	-	220	290

#add 20 kPa to the rear for high speed driving (consistently over 140 Km/h)

Always use a tyre pressure gauge to check the tyres - simply looking at the tyres is not sufficient.

Remember to replace any valve dust caps or extensions, as this stops dirt and moisture from fouling the valves.

If the pressure is too low, considerable tyre warm up and internal damage can occur, leading to tread separation and even to a tyre blowout at high speeds. Hidden tyre damage cannot not be fixed by adding air afterwards.

Tyre condition, rim condition

Driving over sharp edges can lead to hidden tyre damage and rim damage, which can lead to tyre blowout.

Drive over edges slowly and at right angles if possible. When parking, ensure that the tyres are not pressed against the edge of the curb.

Check the tyres regularly for damage: stones, punctures, cuts, cracks, bulges etc. Check the rims for damage. Consult a Holden Dealer if in doubt.

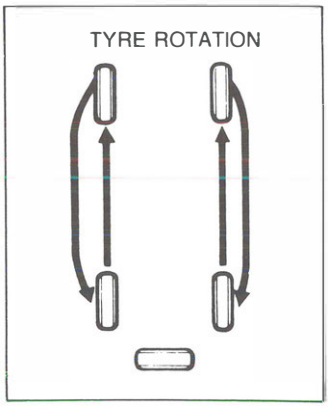
Alignment and balance

Improper wheel alignment can cause the tyres to wear faster and to wear unevenly. It can also cause the vehicle to pull to the left or right.

Out-of-balance wheels and tyres can cause annoying vibration and uneven tyre wear. If you suspect either of the above problems exist have a wheel alignment and balance check carried out by your Holden Dealer.

TYRES cont.

Tyre rotation



Front and rear tyres perform different jobs and can wear differently depending on the types of roads driven, your driving habits, wheel alignment, balance, tyre pressures etc.

Check the tread depth regularly. If the front tyres have more wear than the rear tyres, have both front wheels changed with the rear wheels so that the tyres with the deeper tread are on the front.

If the wheels are rotated it is recommended that the balance be checked at the same time.

Replacement and repair

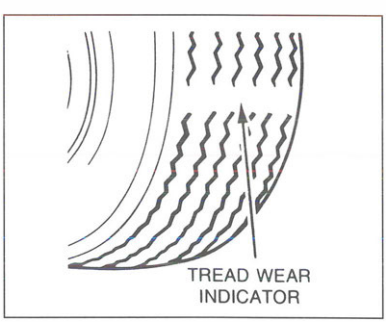
Replacing your factory fitted wheels and tyres with non specified wheels and tyres may affect your warranty as well as your insurance policy. Refer to tyre placard on your vehicle for tyre size and load rating, see previous page. Using a different size or type of tyre may affect such things as ride, handling, speedometer, vehicle ground clearance, tyre clearance or snow chain clearance.

Take care when using tyres with heavy treads, including tyres made for better grip in the wet. At sustained high speeds, this type of tyre will run at higher temperatures than standard tyres and consequently should only be operated within the limits recommended by the manufacturer. Any doubts about the tyres on your vehicle should be referred to your Holden Dealer.

New tyres should be fitted in pairs to the front. If replacing only one tyre, it should be paired on the same axle with the least worn of the other three.

You should replace your tyres when:

- The tyres are worn to the point where the tread indicators appear, or the cord or fabric is showing. The tyres originally fitted to your vehicle have built-in tread indicators which show up when the tyres are worn.
- The tread or sidewall is cut, split, or cracked deep enough to expose the cord or fabric.
- The tyre has a bump or bulge in it, indicating some kind of internal damage.



- The tyre has a puncture, cut or other damage which can't be repaired because of the size or location of the damage.

Do not attempt to drive on the flat tyre more than is necessary to stop safely. Driving even a short distance can damage the tyre and wheel beyond repair. Tyres which have been repaired or retreaded will not be able to be driven safely at high speeds. Therefore, their use is not recommended.

BATTERY

Battery maintenance

The fluid level of the battery will be checked for you when you take your vehicle to be serviced by your Holden Dealer. If your vehicle is operated in hot temperatures or at constant high speed, the battery fluid level should be checked at least twice between the 6 month Dealer Service.

Each of the six cells must be individually checked. Use distilled water, as required, to keep the level between the upper and lower markings on the battery. **DO NOT OVER FILL.**

CAUTION:

Batteries emit an explosive gas mixture which may be ignited by sparks or naked flames. You should therefore keep sparks and flames away from the battery at all times. Never smoke near a battery.

Batteries contain sulphuric acid. If acid contacts skin or clothing, flush immediately with a lot of water. In case of eye contact, flush with a lot of water and contact a doctor immediately.

Take care with all metal objects and tools including items you may wear (e.g. jewellery, ring and metal watch bands) near battery terminals. Metal objects that touch battery terminals can cause sparks and serious heat burns to the user or wearer.

When checking the battery level, make sure the engine is not running.

Battery replacement

3.2 litre petrol engine: 55D23R. 12 volt, 60 amp hours

2.6 litre petrol engine: 50D20R, 12 volt, 50 amp hours

2.8 litre diesel engine: 95D31R, 12 volt, 80 amp hours

CHAPTER 8

Specifications

Page

8-2 Engines
8-3 Transmissions
8-3 Brakes
8-3 Steering
8-4 Axles
8-4 Lubricants
8-4 Dimensions
8-5 Identification plates

ENGINES

ENGINE		PETROL 4ZE1	PETROL 6VD1	DIESEL - 4JBIT
Description		4 cylinder, overhead cam, electronic fuel injection	6 cylinder, 24 valve, double overhead cam, electronic fuel injection	4 cylinder turbo charged
Piston displacment		2,559 cc	3,165 cc	2,771 cc
Compression ratio		8.6: 1	8.6: 1	18.1: 1
Power, kW @ rpm		88 @ 4,600	133 @ 5,400	74 @ 3,800
Torque, Nm @ rpm		201 @ 2,600	265 @ 4,200	225 @ 2,300
Firing order		1, 3, 4, 2	1, 2, 3, 4, 5, 6	1, 3, 4, 2
Injection pressure		-	-	185 kg / cm^2
Injection/ignition timing		12 degrees BTDC @ 900 r.p.m.	16 degrees BTDC @ 750 r.p.m.	11 degrees BTDC
Valve clear (cold)	Intake	0.15 mm	0.28 mm	0.40 mm
	Exhaust	0.25mm	0.30 mm	0.40 mm
Oil Specifications		SG or SH grade oil. For normal use, 20W/50 viscosity is recommended. For prolonged use in snow areas, the use of 15W/40 is recommended.		CD, CE, CF or CG grade diesel engine oil SAE 30 (single grade), or 15W/40 (multigrade)
Oil capacity inc. filter		5.5 litres	4.5 litres	6.5 litres
Coolant capacity		9 litres	11.2 litres (man) 11 litres (auto)	9.5 litres
Coolant specification		½ water and ½ Long Life Coolant, conforming to Holden' s specification number HN 2043, part number M40236 (1 litre) or M40307 (5 litres)		

TRANSMISSIONS, BRAKES & STEERING

Transmissions

Transmission and transfer case		MUA5C, manual with 2.8 ltr diesel engine or 2.6 & 3.2 litre petrol engine	AW03-72L, auto with 2.6 litre petrol engine	4L30-E, auto with 3.2 litre petrol engine
Gear ratio : 1	1st	3.767	2.826	2.856
	2nd	2.248	1.493	1.618
	3rd	1.404	1.000	1.000
	4th	1.000	0.688	0.723
	5th	0.809	-	-
	Rev	3.873	2.703	2.000
	High	1.000	-	-
	Low	2.051	-	-
Trans oil capacity		2.95 litres	6.5 litres	8.6 litres
Transfer case oil capacity		1.45 litres	-	-
Oil specification		Use same oil as used in engine, or SAE 5W-30 or gear oil 75W/85	Dexron® III Automatic Transmission Fluid	Dexron® III Automatic Transmission Fluid

Brakes

Description	Front wheel disc. Rear wheel drum, incorporating park brake acting on rear wheels
Fluid type	Heavy duty hydraulic brake fluid to Holden' s HN 1796

Steering

Manual	Fluid capacity = 0.4 litres Fluid type = Gear oil GL5 grade
Power	Fluid capacity = 1.0 litre Fluid type = Dexron® III Automatic Transmission Fluid

AXLES, LUBRICANTS & DIMENSIONS

Axles

4WD, front and rear	Description Ratio Fluid type Fluid capacity Viscosity	Limited Slip Diff (rear); Banjo (front) 4.555: 1 LSD gear oil GL5 grade plus 1 bottle additive part no. 1052358 (rear) 1.8 litres (rear); 1.4 litres (front) Use SAE 85W/140
2WD, rear	Description Ratios Fluid type Fluid capacity Viscosity	Banjo, semi floating 4.300 : 1 (including 6VD1 man.) 4.555:1 (6VD1 auto) Gear oil GL5 grade 1.8 litres Use SAE 85W/140
2WD, rear (LX model) 6VD1 engine	Description Ratios Fluid type Fluid capacity Viscosity	Limited Slip Diff 4.555: 1 (auto) 4.300:1 (man) LSD gear oil GL5 grade plus 1 bottle additive part no. 1052358 (rear) 1.8 litres (rear); 1.4 litres (front) Use SAE 85W/140

Dimensions

Wheel base	3,025 mm	
Wheel track	Front 2WD Front 4WD Rear	1,425 mm 1,390 mm 1,400 mm
Minimum ground clearance	2WD 4WD	185 mm 225 mm

General lubricants

Brake and clutch pedal pivots	Grease to Holden' s HN 1147 specification
Wheel bearings	Wheel bearing grease to Holden' s HN 1227 specification
Chassis, park brake, universal joint and propeller shaft sliding yoke	Water resistant EP type chassis lubricant to Holden' s HN 1271 specification

Refer Chapter 10 for vehicle weights.

Refer Chapter 7 for battery specifications.

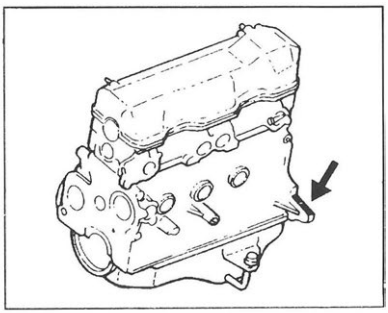
IDENTIFICATION PLATES

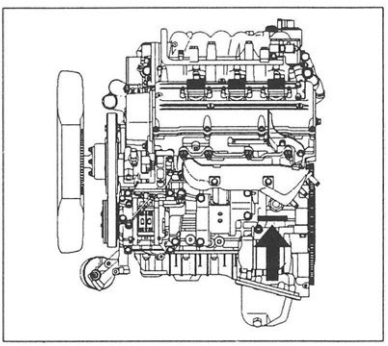
Engine number location

Petrol

The engine number for petrol engines is located in two places:

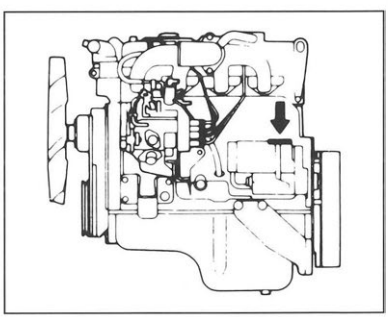
- on a plate in front of the radiator, refer illustration on following page.
- 4ZE1: stamped on the protrusion at the rear, passenger's side of the cylinder block, refer illustration.
- 6VD1: stamped on the rear lower area on the cylinder block above the starter motor, on the passenger's side, refer illustration.





Diesel

- It is stamped on the passenger rear side of the engine block, refer illustration.



Tyre pressure placard

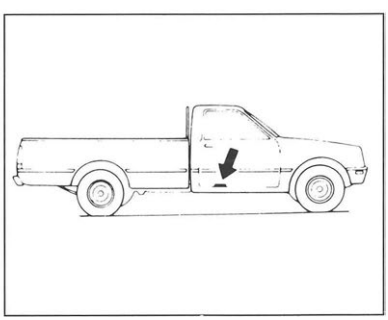
The tyre placard is on the driver's door pillar.

Emission label

The emission label is underneath the bonnet.

V.I.N. (frame)

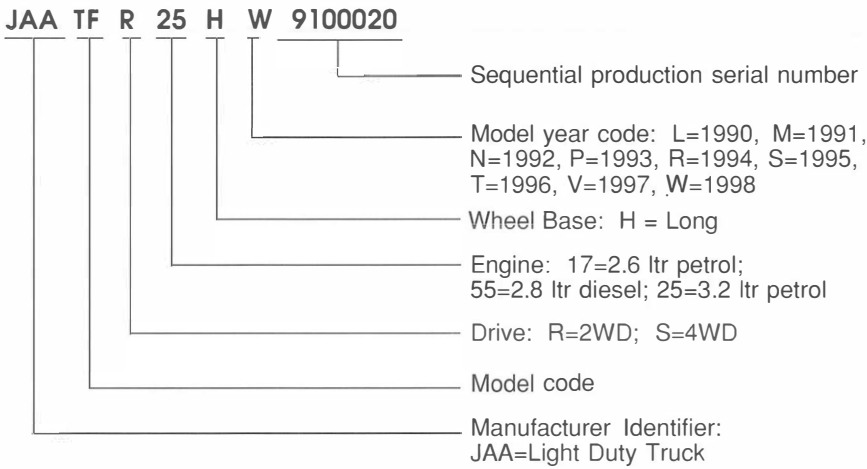
It is stamped on the, right hand side of the chassis side member, under the driver's door, refer illustration.



IDENTIFICATION PLATES

ISOVIN number

The ISOVIN number is shown on the Compliance plate and on the Body and Option plate. The ISOVIN number is used for identification of parts.

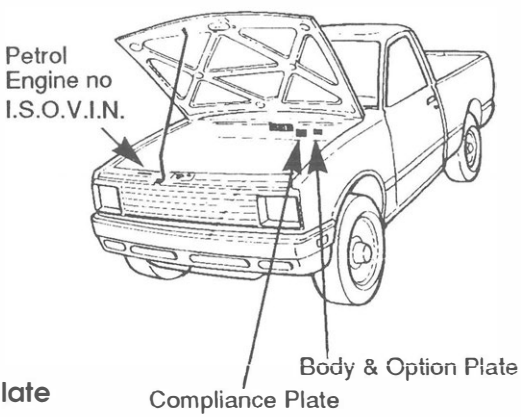

JAA TF R 25 H W 9100020
Sequential production serial number
Model year code: L=1990, M=1991, N=1992, P=1993, R=1994, S=1995, T=1996, V=1997, W=1998
Wheel Base: H = Long
Engine: 17=2.6 ltr petrol; 55=2.8 ltr diesel; 25=3.2 ltr petrol
Drive: R=2WD; S=4WD
Model code
Manufacturer Identifier: JAA=Light Duty Truck

Holden Identification Plate

The Holden identification Plate is located on the passenger's side of the radiator support panel. The Holden number is used for warranty identification, Roadside assist identification, etc.

Safety compliance plate

Shown on the plate is the Approval number, category, Manufacturer, Model name and Model code, G.V.M. (Gross Vehicle Mass), Seating capacity, Month and Year of Manufacture, and the V.I.N. (Vehicle Identification Number)



Body & option identification plate

The plate shows body style, body serial number, paint and trim colour combination, paint number, engine transmissions, axle ratio options and built date. The built date is defined as "the date of manufacture" by calendar month and year in which the body shell and power train sub-assemblies are co-joined or moved from the production line.

CHAPTER 9

After Sales

Page

9-2 New Vehicle Warranty

9-4 Parts and Accessories Warranty

9-5 Warranty questions & answers

9-8 Roadside Assistance

9-10 Customer assistance

9-11 Authorised Holden Dealers

Note: Dealership names and details may change after the printing of this Handbook. The list contains both Authorised Holden Dealers and Authorised Holden Service Operations.

NEW VEHICLE WARRANTY CERTIFICATE

New Vehicle Warranty application

This Warranty is given by Isuzu-General Motors Australia Ltd. A.C.N. 006 962 572, ("I-GM"). The Warranty applies to the vehicle identified on the inside front cover of your Owner's Handbook. It is provided to the original and subsequent owners/operaters driving the vehicle within Australia during the Warranty Period.

This warranty is given in addition to all rights conferred by law on that person.

Owners of vehicles operated outside Australia should consult their local dealer about the warranty applicable to their vehicle.

Repairs covered

Subject to the exclusions shown below, this Warranty covers the correction, during the Warranty Period, of any vehicle defect related to materials or workmanship and advised to a Holden Dealer or Authorised Service Outlet, by repair or at I-GM's option by replacement.

Warranty period

Effective 1st January 1997, all new Holden badged passenger and light commercial vehicles delivered to customers will be covered by the Holden New Vehicle Warranty for 3 years or 100,000 km, whichever occurs first.

The coverage commences from the date of delivery (or in the case of a demonstrator vehicle the date when the vehicle was first placed into service by the Dealer). The coverage expires at the end of the period of 3 years after the commencement date or after the vehicle has travelled 100,000 kilometres, whichever occurs first.

No charge

Warranty work undertaken (including parts and labour) will be carried out at no cost to the vehicle owner. However, this work should not be confused with servicing specified in the Maintenance schedule in Chapter 12 of your Owner's Handbook for which a charge is payable.

NEW VEHICLE WARRANTY CERTIFICATE cont.

Warranty exclusions

- **Damage**

Your Warranty does not extend to following causes of damage:

Damage caused by an accident, fire, theft or moving objects striking the vehicle.

Damage caused by industrial fallout, chemicals or sealants.

Damage caused by atmospheric fallout or flood, hail, salt, etc.

- **Maintenance items**

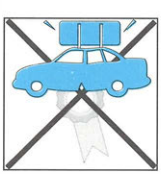
Services such as, brake adjustment, replacement of filters, wiper rubbers etc., which are required as part of normal vehicle maintenance.

- **Tyres**

The tyres (and tubes where applicable) fitted to your vehicle are not covered by this warranty. However, they may be covered by the tyre manufacturer.

- **Batteries**

Batteries are warranted for 12 months from the commencement date of the warranty.



- **Misuse**

The warranty does not cover damage caused by:

(a) misuse or abuse of the vehicle such as by racing, rallying, overloading, etc., or neglect

(b) operation of the vehicle after the defect is known

(c) failure to carry out proper maintenance services

(d) use of incorrect types and grades of fuel, oil or lubricants

(e) alteration of the vehicle by anyone not authorised by I-GM

(f) fitting of parts or accessories not marketed by I-GM

(g) any work carried out on the vehicle by anyone except an authorised Holden Dealer or Service Dealer.

PARTS AND ACCESSORIES WARRANTY

I-GM warrants I-GM approved Parts and Accessories ("Parts" and "Accessories") for the periods and on the conditions set out below. The Warranty covers the correction, during the relevant Warranty Period, of defects in any such Parts and Accessories, by repair or at I-GM's option by replacement.

- **Accessories installed to the new vehicle**

  I-GM approved Accessories installed by a Holden Dealer or authorised Service Outlet to the new vehicle at the time of purchase are covered together with the New Vehicle warranty for the period of 3 years or 100,000 km, whichever occurs first.

- **Parts and accessories installed after new vehicle delivery**

  Parts and Accessories installed by a Holden Dealer or authorised Service Outlet are covered by the unexpired portion of the New Vehicle warranty or the first of 2 years or 50,000 km. After expiry of the New Vehicle warranty, the Parts and Accessories warranty will apply until the expiration of 2 years or 50,000 kms (whichever comes first) from date of fitment.

- **Purchased at retail or trade**

  Parts and Accessories purchased at trade or retail and installed by other than a Holden Dealer or authorised Service Dealer are warranted for 1 year from the date of purchase. Please keep a receipt to support warranty claims.

- **Parts and accessories warranty exclusions**

  The tyres (and tubes where applicable) are not covered by this warranty. However, they may be covered by the tyre manufacturer.

  Batteries are warranted for 12 months from date of purchase.

  Parts which are required as part of normal vehicle maintenance are warranted against manufacturing defect at the time of installation.

WARRANTY QUESTIONS

This section is designed to assist you in understanding the I-GM Warranty provided with your new vehicle.

The following are some of the most frequently asked questions, for which detailed answers have been provided.

Q 1. How do I go about obtaining I-GM Warranty Service?

It is the responsibility of the Selling Dealer to provide I-GM Warranty service, therefore you should take your vehicle to the Selling Dealer whenever I-GM Warranty service is needed. However, if this is not possible, you may go to any other Authorised Holden Dealer. The details recorded inside the front cover of this handbook will be required by the Dealer.

Q 2. What should I do if my vehicle becomes unsafe or inoperative as a result of a defect which is covered by the IGM New Vehicle Warranty?

You should contact the nearest Authorised Holden Dealer or I-GM Customer Assistance Service (refer further in this chapter) as soon as possible, and arrange for that Dealer to carry out the required I-GM Warranty Service.

Q 3. What should I do if, in an emergency, I-GM Warranty service is required and an Authorised Holden Dealer is not available to provide such service at the time?

If, in an emergency, a repair, replacement or adjustment (covered by the I-GM New Vehicle Warranty) is required to enable your vehicle to be operated safely and it is *not* practical for you to go to an Authorised Holden Dealer, the service (to the extent that it is necessary to enable your vehicle to be operated safely) may be performed by any other qualified mechanic or repairer. A claim for the reasonable cost may be made through the Authorised Holden Dealer who would normally provide you with I-GM Warranty Service. You must also take your vehicle to the Authorised Holden Dealer for inspection of the service and/or completion of any required I-GM Warranty Service, as soon as possible.

Note: During normal business hours you should seek authorisation from your nearest Authorised Holden Dealer or I-GM Customer Assistance Service, prior to repairs being commenced.

Q 4. Are damage or injury, loss of time, inconvenience, commercial or other direct or indirect loss covered by the I-GM Warranty?

No, these items are not covered. I-GM warranty only covers the repair, replacement or adjustment of those parts of your vehicle which are found to be defective in materials or workmanship. No other types of claim for compensation of any kind, even if the same resulted from a consequence of a defect in materials or workmanship in your vehicle, will be recognised under the I-GM New Vehicle Warranty.

You may have rights under the law to claim compensation outside of the I-GM New Vehicle Warranty, but any claim based on those rights should be separately pursued.

WARRANTY QUESTIONS cont.

Q 5. Will I have to pay for maintenance costs during the Warranty Period?

Maintenance costs are not covered by the I-GM New Vehicle Warranty.

The Maintenance Schedules in this handbook specify the *minimum* maintenance required for your vehicle operating under normal conditions.

The Maintenance items (except where they are required as a result of defects in materials or workmanship) for which you will have to pay for include:

- Clutch facings
- Engine tune-up, including spark plugs replacement.
- Replacement of all filters.
- Cleaning or flushing of fuel, coolant, brake, engine, transmission, differential, power steering etc., after 5,000 km.
- Adding to (or replacing) lubricants.
- Adding to (or replacing) air conditioning refrigerant, after 5,000 km.
- Any necessary adjustments to drive belts, transmissions, clutch, park brake etc.
- Wheel balancing - after 5,000 km.
- Wheel alignment.
- De-dusting or de-glazing of brake linings or pads - after 5,000 km.
- Brake lining wear or damage.
- Brake disc pad or disc wear.
- Battery re-charging.
- Paint, bright metal finish and trim, due to normal deterioration.
- Body panel adjustment - after 5,000 km.
- Door, or bonnet lock adjustments.
- Glass or channel adjustments - after 5,000 km.
- Body rattle, squeaks and general tightening of bolts, fastenings and fittings - after 5,000 km.
- Chipped glass or breakage.
- Torn or damaged floor mats or carpets.

Q 6. Are my tyres covered by the I-GM New Vehicle Warranty?

No. The tyres fitted to your vehicle are covered by a separate warranty provided by the tyre manufacturer. Any Authorised Holden Dealer will assist you by discussing any queries which you might have with respect to the tyre manufacturer's warranty with the tyre manufacturer's representative.

WARRANTY QUESTIONS cont.

Q 7. Will I have to pay for any costs or expenses in connection with the provision of I-GM Warranty service?

All parts and labour used in carrying out I-GM Warranty Service at the premises of the Servicing Dealer are free of charge. Whenever I-GM Warranty service is to be carried out by the Servicing Dealer it is your responsibility to deliver your vehicle to the Servicing Dealer's premises.

If, as a result of a defect which is covered by the I-GM New Vehicle Warranty, your vehicle cannot be driven safely and you arrange for the nearest Authorised Holden Dealer to carry out the required I-GM Warranty Service, I-GM will accept reasonable towing costs to move your vehicle to the nearest Holden Dealer's premises. Before employing a towing company, contact the nearest Holden Dealer and/or I-GM Customer Assistance Service (refer page 10 of this chapter) to obtain guidance.

Q 8. Would my vehicle's engine benefit from fuel additives, oil additives or coolant additives not marketed by I-GM ?

The use of break-in oil, tune-up compounds, friction-reducing compounds and other supplemental additives is not recommended; their use will not only increase operating costs, but may also be detrimental to the operation of your vehicle.

Only the fluids and lubricants referred to in this handbook should be used.

UNAUTHORISED STATEMENTS IN RELATION TO HOLDEN'S PRODUCTS

No Holden Dealer or other person is authorised or permitted to give or make any statement assertion or undertaking in relation to the quality, performance, characteristics, descriptions or fitness for any purpose of any I-GM product or in connection with the supply of any I-GM product, which is at variance with any written statement assertion or undertaking on any of these subjects given or made by I-GM in its published sales literature, and the Company does not accept any such unauthorised action.

ROADSIDE ASSISTANCE

3 YEAR
24 HOUR ROADSIDE ASSISTANCE

OUR COMMITMENT TO YOUR SATISFACTION

Holden's Roadside Assistance is part of the unequalled commitment of Holden's to provide total motoring satisfaction.

From the moment delivery is made, our aim is to provide the finest possible ownership experience, from design through manufacturing to servicing, and now beyond to the open road, Australia wide.

We hope the need never arises, but if it does, we'll be there to help through Holden Roadside Assistance.

HOW DOES HOLDEN ROADSIDE ASSISTANCE WORK?

Holden Roadside Assistance is provided by General Motors-Holden's Automotive Ltd., and delivered by the collective resources of the Australian Automobile Clubs and Associations (the constituents of Assist Australia) the 'AA'.

WHICH VEHICLES ARE COVERED BY THE ASSISTANCE?

As of 1st November 1993 all new Holden passenger and light commercial vehicles are covered for 36 months' assistance.

Holden Roadside Assistance is extended to private and business vehicles, taxis, rental companies, all government and fleet operators.

WHAT WILL HOLDEN ROADSIDE ASSISTANCE DO FOR ME?

Holden Roadside Assistance is designed to get you mobile after your vehicle has become disabled on a constructed road that is trafficable to normal two wheel drive vehicles.

Your vehicle must be disabled due to (non-collision related) mechanical failure/driver fault i.e. flat tyre, flat battery, locked out of the vehicle, or have simply run out of petrol.

Where permanent repairs are either not possible or practicable, temporary repairs will be carried out, or the vehicle towed to a Holden Dealer or approved repairer.

WHEN DO THE BENEFITS BEGIN?

Cover begins the moment a Holden vehicle is purchased. An Interim Registration card entitles you to immediately receive all the benefits of Holden Roadside Assistance.

WHERE CAN I GET ROADSIDE ASSISTANCE?

The professional service of Holden Roadside Assistance is available to you at home, or at the roadside, anywhere in Australia, should you need it.

ROADSIDE ASSISTANCE cont.

IS THERE ANY MEMBERSHIP OR JOINING FEE?

No, you will not be required to pay any fees. Every new Holden passenger vehicle and light commercial vehicle owner is eligible for Holden Roadside Assistance for 36 months.

WHAT WILL HOLDEN ROADSIDE ASSISTANCE COST ME?

Materials, fuel and spare parts supplied during the service must be paid for at the time of the assistance. The service personnel attending will issue a receipt for these expenses. Reimbursement of expenses covered by Holden's warranty can be claimed by contacting the local Holden Dealer.

WHAT HAPPENS IF I SELL MY VEHICLE?

Holden Roadside Assistance stays with the vehicle, so if you sell your vehicle during the 36 month period, it is still eligible for the assistance. The new owner simply registers for the service by using the change of ownership form supplied in the member's kit.

ROADSIDE 'ULTRA' - PRESTIGE CARS

Some luxury models receive the additional cover of 'Roadside Ultra'. This cover provides the new owner with all the benefits of Holden Roadside Assistance along with some very valuable extras, including accommodation, alternative transportation, rental car and Australia-wide vehicle recovery.

HOW DO I CALL FOR SERVICE?

Simply call **1800 817 100**, toll free number from anywhere in Australia.

The Holden Roadside Assistance kit in the glovebox contains full details of the service provided, which covers situations such as lock outs, mechanical breakdown, wheel changing etc.

In the meantime further information is available from the toll free Holden and Isuzu Customer Assistance help line, on **1800 033 349**.

CUSTOMER ASSISTANCE

We want you to be happy with your new vehicle, together with the people you deal with while you have the vehicle.

Normally, any problems with the sales, operation or servicing of your vehicle will be handled by your Dealer's Sales and Service Department.

We realize however, that, with the best intentions, misunderstandings do occur sometimes.

Therefore, we suggest you discuss any concern with one of the Dealer's management people. If you haven't received satisfaction from the Sales Manager or Service Manager - go to the General Manager or to the Dealer himself.

By now you should have satisfaction. If not, the I-GM Customer Assistance office is at your disposal.

The Holden and Isuzu Customer Assistance representatives can be telephoned from anywhere within Australia for only the cost of a local call. The Melbourne area number is 9646 5466. Outside the Melbourne Metropolitan area, the number is 1800 033 349.

If your concern relates to parts/accessories and you have made contact with the Dealer or Distributor without satisfaction, you may contact Holden's Service Parts Operations on (03) 9797 7341. Naturally, telephoning is the quickest and the best way to contact. However, if you prefer to write the address is:

The Manager

Holden and Isuzu Customer Assistance Services

GPO Box 343C

Melbourne, 3001.

Your letter should clearly outline your concern or query, and include the following:

- Your name and address
- Telephone numbers, both private & business
- Servicing Dealership's name and address
- Vehicle model
- Vehicle identification number (I.S.O.V.I.N.), refer to the inside front cover of this Handbook.
- Date of purchase
- Current odometer reading

Most of this information will be found on the Vehicle Identification Certificate, located inside the front cover of this handbook.

Before you write however, remember that the telephone is the quicker and more efficient means of communication.

HOLDEN DEALERS

N.S.W. Metropolitan

ARNCLIFFE
Suttons Motors Arncliffe P/L
93 Princes Highway
P: (02) 9335 9000 FAX: (02) 9335 9006

ASHFIELD
Muirs Holden
252 Parramatta Road
P: (02) 9798 8888 Fax: (02) 9799 7010

BALGOWLAH
James Langfield Holden
164 Condamine Street
P: (02) 9949 1888 Fax: (02) 9949 7237

BANKSTOWN
Princeton Holden
466 Chapel Road
P: (02) 9790 1234 Fax: (02) 9790 0033

BLACKTOWN
West City Holden
120~128 Sunnyholt Road
P: (02) 9622 7333 Fax: (02) 9671 7394

CAMPBELLTOWN
Paul Wakeling Holden
Cnr Blaxland & Campbelltown Rds
P: (046) 281 444 Fax: (046) 283 262

CASTLE HILL
Windsor Road Holden
Cnr Victoria Ave/Windsor Rd
P: (02) 9894 6666 Fax: (02) 9894 5600

CHATSWOOD
Sundell Holden
Cnr Smith & Gibbes Street
P: (02) 9417 8431

CHULLORA
Suttons Motors (Chullora) P/L
Cnr Hume Hwy/Waterloo Rd
P: (02) 9642 0233 Fax: (02) 9642 7798

DEE WHY
Peninsula Holden
Cnr May & Mooramba Roads
P: (02) 9982 1311 Fax: (02) 9982 3755

GORDON
Sundell Holden
Cnr Pacific Hwy/McIntyre St
P: (02) 9498 7766 Fax: (02) 9498 2906

HOMEBUSH
Suttons Motors Homebush P/L
112 Parramatta Road
P: (02) 9746 4500 Fax: (02) 9746 7206

LAKEMBA
Fulton Holden Lakemba
817 Canterbury Road
P: (02) 9740 5555 Fax: (02) 9740 5907

LANSVALE
Lansvale Holden
266~284 Hume Highway
P: (02) 9728 7333 Fax: (02) 9726 1085

LIVERPOOL
McGrath Holden
411~419 Hume Highway
P: (02) 9602 8399 Fax: (02) 9821 1993

NEWPORT
Newport Car Care Centre
340 Barrenjoey Road
P: (02) 9999 1254

PARRAMATTA
Boyded Holden Parramatta
65 Church Street
P: (02) 9204 6666 Fax: (02) 9635 6346

PENNANT HILLS
Barry Smith Holden
351~355 Pennant Hills Road
P: (02) 9418 8222 Fax: (02) 9484 7475

PENRITH
Penrith City Holden
Cnr Henry St & Macquarie Pl
P: (047) 321 966 Fax: (047) 215 896

ROCKDALE
Peter Terry Holden
571 Princes Hwy
P: (02) 9567 0321 Fax: (02) 9597 7395

ROSEBERY
Suttons City Holden
Link Road
P: (02) 9931 3000 Fax: (02) 9931 3001

RYDE
Hunter Holden
603~605 Victoria Road
P: (02) 9808 9123 Fax: (02) 9809 6592

SPRINGWOOD
Springwood Holden
15 Ferguson Road
P: (047) 511 911 Fax: (047) 512 481

ST LEONARDS
Hunter Holden
4 Herbert Street
P: (02) 9906 4044 Fax: (02) 9439 4635

ST. MARY'S
John Young Holden
Cnr Glossop & Harris Streets
P: (02) 9673 2111 Fax: (02) 9673 4932

SUTHERLAND
Greg Ball Holden
499~505 Princes Highway
P: (02) 9545 4811 Fax: (02) 9545 2533

WAITARA
Suttons Motors Waitara P/L
90 Pacific Hwy
P: (02) 9487 2222 Fax: (02) 9489 0009

HOLDEN DEALERS CONT.

WINDSOR
Hawkesbury Valley Holden
18 Macquarie Street
P: (045) 774 077 Fax: (045) 772 592

N.S.W. Country

ARMIDALE
New State Motors
103 Rusden Street
P: (060) 562 333 Fax: (060) 247 899

BALLINA
Quayside Motors
Pacific Highway
P: (066) 865 111 Fax: (066) 868 574

BARHAM
Hall's Motors Pty Ltd
44 Noorong Street
P: (03) 5453 2092 Fax: (03) 5453 1064

BATEMAN'S BAY
Surfair Holden
30-32 Orient Street
P: (044) 725 111

BATHURST
Bathurst Motors Pty Ltd
54 Durham Street
P: (063) 312 077 Fax: (063) 319 177

BEGA
Bega Valley Holden
Cnr Upper and Gibbs Sts
P: (064) 922 333 Fax: (064) 923 105

BELMONT
Challenge Holden
444 Pacific Highway
P: (049) 454 313 Fax: (049) 451 054

BLAYNEY
Alan May Auto. Services
98 Adelaide Street
P: (063) 682 745 Fax: (063) 683 257

BOMBALA
Delcott Engineering Pty Ltd
Maybe Street
P: (064) 583 341 Fax: (064) 583 940

BOOROWA
Boowowa Auto Repairs
40 Marsden Street
P: (063) 853 305

BOURKE
Bourke Smash Repairs
12 Richard Street
P: (068) 722 217 Fax: (068) 722 217

BREWARRINA
Lukas Holden
Bathurst Street
P: (068) 392 105 Fax: (068) 392 454

BROKEN HILL
Donlee Motors Pty Ltd
Cnr Galena & Rakow Streets
P: (08) 8087 2463 Fax: (08) 8087 7971

CAMDEN
Paul Wakeling Pty Ltd
15 Cawdor Road
P: (046) 557 100

CANOWINDRA
Canowindra Motors
Gaskill Street
P: (063) 441 105 Fax: (063) 441 105

CARDIFF
Brian Kelly Holden
35~39 MacQuarie Road
P: (049) 547 733 Fax: (049) 549 407

CASINO
Casino Holden
142 Barker Street
P: (066) 622 822 Fax: (066) 622 101

CESSNOCK
Geoff Boyd Holden
Cnr Wollombi Road and Darwin Street
P: (049) 903 800 Fax: (049) 911 544

COBAR
Cobar Holden
Cnr Lewis St & Louth Road
P: (068) 364 007 Fax: (068) 363 409

COFF'S HARBOUR
Geoff King Holden
Cnr Pacific Hwy and Thompson Road
P: (066) 522 288 Fax: (066) 525 360

COOMA
Summit Holden
66~70 Sharp Street
P: (064) 521 077 Fax: (064) 521 142

COONABARABRAN
Coonabarabran Holden
24 Charles Street
P: (068) 421 499 Fax: (068) 422 473

COONAMBLE
Moody's Motors
37 Aberford Street
P: (068) 221 161 Fax: (068) 221 624

COOTAMUNDRA
Jenkins Garage
111 Wallendoon Street
P: (069) 422 522 Fax: (069) 421 493

COWRA
Waugoola Motors Pty Ltd
Kendal Street
P: (063) 421 800 Fax: (063) 423 614

CROOKWELL
Crookwell Autos
114 Goulburn Street
P: (048) 321 433 Fax: (048) 322 157

HOLDEN DEALERS cont.

DENILIQUIN
Burchfield Bros & Co
112~114 End Street
P: (03) 5881 2133 Fax: (03) 5881 3322

DORRIGO
Phil Noble Motors
46~48 Hickory Street
P: (066) 572 017 Fax: (066) 572 217

DUBBO
John Kierath
54 Bourke Street
P: (068) 821 011 Fax: (068) 827 102

DUNGOG
Turner Holden
248 Dowling Street
P: (049) 921 816 Fax: (049) 921 833

EDEN
Ron Doyle
113 Imlay Street
P: (064) 961 420 Fax: (064) 961 467

FINLEY
Riverina Garage Finley
104 Murray Street
P: (03) 5883 1211 Fax: (03) 5883 1638

FORBES
Frank Spice Holden
20~22 Dowling Street
P: (068) 511 755 Fax: (068) 522 825

GILGANDRA
Gilgandra Holden
3 Morris Street
P: (068) 471 888 Fax: (068) 471 277

GLEN INNES
Glen Severn Holden
167 Grey Street
P: (067) 322 888 Fax: (067) 323 394

GLOUCESTER
Grahame's Garage Pty Ltd
1 Park Street
P: (065) 581 108 Fax: (065) 582 317

GOSFORD
Noble Holden
Pacific Highway
P: (043) 250 511 Fax: (043) 241 043

GOULBURN
Geissler Motors
279~298 Auburn Street
P: (048) 213 744 Fax: (048) 219 798

GRAFTON
Ken Casson Holden
37~39 Turf Street
P: (066) 426 666 Fax: (066) 426 737

GRENFELL
Terry Carroll Motors Pty Ltd
40 Alexandra Street
P: (063) 431 522 Fax: (063) 431 347

GRIFFITH
Leo Franco Holden
164~166 Yambil Street
P: (069) 642 977 Fax: (069) 624 916

GUNNEDAH
Namoi Valley Motors
48 Barber Street
P: (067) 420 211 Fax: (067) 423 842

GUNNING
Bailey's Garage
Yass Street
P: (048) 451 224 Fax: (048) 451 486

HARDEN
Ginty & O'Leary
Cnr Station & Albury Streets
P: (063) 862 320 Fax: (063) 862 722

HAY
Royce Curtis Motors
168 Lachlan Street
P: (069) 931 503 Fax: (069) 932 212

HOLBROOK
Lieschke Motors Pty Ltd
Albury Street
P: (060) 362 244 Fax: (060) 362 831

INVERELL
Gaukroger Sales Pty Ltd
Vivian Street
P: (067) 222 722 Fax: (067) 221 804

JERILDERIE
Jerilderie Motors
Jerilderie Street
P: (03) 5886 1302 Fax: (03) 5886 1734

KANDOS
Chrisfield Holden
11 Angus Street
P: (063) 794 204 Fax: (063) 794 606

KATOOMBA
Katoomba Holden
136 Great Western Highway
P: (047) 321 966 Fax: (047) 825 546

KEMPSEY
Thoroughgood Holden
118~132 Belgrave Street
P: (065) 621 381 Fax: (065) 621 383

KIAMA
Glen Fulton Holden
35~41 Collins Street
P: (042) 321 888 Fax: (042) 323 062

KYOGLE
O & H Holden
128~134 Summerland Way
P: (066) 321 711 Fax: (066) 322 552

LEETON
John Ryan Holden
47 Pine Street
P: (069) 532 466 Fax: (069) 536 725

HOLDEN DEALERS cont.

LISMORE
John Chant Motors Pty Ltd
21~27 Carrington Street
P: (066) 212 601 Fax: (066) 224 659

LITHGOW
Lithgow City Holden
255 Main Street
P: (063) 514 555 Fax: (063) 514 653

MACKSVILLE
Eastland Auto Centre
18~22 Cooper Street
P: (065) 681 711 Fax: (065) 681 816

MACLEAN
O'Halloran Motors
175 River Street
P: (066) 452 844 Fax: (066) 454 003

MAITLAND
Heritage Holden
Cnr New England Hwy & Bungaree St
P: (049) 320 779 Fax: (049) 320 473

MOREE
Keith Haddad Holden
Cnr Boston & Heber Streets
P: (067) 521 855 Fax: (067) 521 298

MORUYA
Surfair Holden
88 Vulcan Street
P: (044) 742 555 Fax: (044) 742 129

MOSS VALE
Vagg & Partners Holden
160~162 Argyle Street
P: (048) 681 055 Fax: (048) 683 330

MULLUMBIMBY
Tony Carsburg Holden
2 Argyle Street
P: (066) 842 066 Fax: (066) 842 066

MUDGEE
Ross Granata Motors
47~55 Market Street
P: (063) 721 766 Fax: (063) 723 735

MURWILLUMBAH
Tweed Motors Murwillumbah
29 Prospero Street
P: (066) 724 444 Fax: (066) 725 811

MUSWELLBROOK
Upper Hunter Motors Pty Ltd
116 Bridge Street
P: (065) 432 577 Fax: (065) 432 565

NAMBUCCA HEADS
Nambucca Holden
Mann Street
P: (065) 689 477 Fax: (065) 689 477

NARRABRI
Allan Cooper Holden
181 Maitland Street
P: (067) 923 488 Fax: (067) 924 750

NARROMINE
Terry Green Holden
45~51 Dandaloo Street
P: (068) 891 244 Fax: (068) 892 277

NEWCASTLE
Newcastle City Holden
745 Hunter Street
P: (049) 615 301 Fax: (049) 616 485

NOWRA
Glendon Motors Holden
301~313 Princes Highway
P: (044) 210 144 Fax: (044) 230 854

ORANGE
Canobolas Holden
348 Summer Street
P: (063) 620 155 Fax: (063) 613 702

PARKES
Broderick Motors Holden
Cnr Mitchell & Clarinda Sts
P: (068) 622 266 Fax: (068) 621 406

PEAK HILL
S. Leary & Sons Pty Ltd
Mingelo Street
P: (068) 691 459

PORT MACQUARIE
Bob Todd Motors Pty Ltd
115 Gordon Street
P: (065) 831 100 Fax: (065) 849 508

QUIRINDI
Browning Motors
82 Henry Street
P: (067) 461 666 Fax: (067) 461 422

SCONE
Upper Hunter Motors (Scone)
100 Liverpool Street
P: (065) 451 355

SINGLETON
Lancaster Holden
80 John Street
P: (065) 721 700 Fax: (065) 724 033

TAMWORTH
Kensell's Holden
Cnr Bourke St & Kable Ave
P: (067) 666 699 Fax: (067) 667 339

TAREE
Hardes Auto House
Beeton Parade
P: (065) 521 000 Fax: (065) 521 269

TEMORA
Rod Lovering Holden
607-608 Stockinbingal Road
P: (069) 772 255 Fax: (069) 772 033

TENTERFIELD
Sexton & Green (Sales & Service) P/L
148 Rouse Street
P: (067) 361 855 Fax: (067) 361 946

HOLDEN DEALERS cont.

TUNCURRY
Great Lakes Holden
144 Manning Street
P: (065) 556 644

TUMUT
Nancarrow Holden
35 Fitzroy Street
P: (069) 471 311 Fax: (069) 473 386

TWEED HEADS
Tweed Motors Pty Ltd
75~79 Pacific Highway
P: (075) 363 411 Fax: (075) 364 490

ULLADULLA
Alan May Holden
169 Princes Highway
P: (044) 551 213 Fax: (044) 554 122

WAGGA WAGGA
Wagga Motors Pty Ltd
32 Dobney Avenue
P: (069) 253 411 Fax: (069) 253 283

WALCHA
Bowden's Garage Pty Ltd
Derby Street
P: (067) 772 226 Fax: (067) 772 319

WALGETT
Walgett Garage Pty Ltd
81 Wee Waa Street
P: (068) 281 088 Fax: (068) 281 198

WALLA WALLA
D.E. Lieschke & Son Pty Ltd
Commercial Street
P: (060) 292 202 Fax: (060) 292 134

WARIALDA
Roger Moore
Hope Street
P: (067) 291 570 Fax: (067) 291 104

WARILLA
Wilson's Holden
29 Shellharbour Road
P: (042) 951 223 Fax: (042) 961 007

WARREN
Fuller Bros
Dubbo Street
P: (068) 474 978 Fax: (068) 474 477

WEE WAA
Allan Cooper Holden
Rose Street
P: (067) 954 255

WELLINGTON
Gersbach's Garage Pty Ltd
92 Lee Street
P: (068) 452 733 Fax: (068) 453 236

WEST WYALONG
West Wyalong Motors
183 Main Street
P: (069) 722 388 Fax: (069) 722 570

WOLLONGONG
Dwyers City Holden
31~33 Crown Street
P: (042) 299 222 Fax: (042) 295 105

WYONG
Barry Robertson Holden
172 Pacific Highway
P: (043) 512 588 Fax: (043) 521 759

YASS
Bill Nesbitt Holden
221 Comur Street
P: (062) 261 866 Fax: (062) 261 747

YOUNG
Harden & Geelan Holden
48 Boorowa Street
P: (063) 821 155 Fax: (063) 824 673

A.C.T.

BELCONNEN
Gerald Slaven Holden
Josephson Street
P: (062) 515 111 Fax: (062) 531 298

BRADDON
Rolfe Holden
44 Mort Street
P: (062) 487 888 Fax: (062) 571 328

PHILLIP
Commonwealth Motors Pty Ltd
158 Melrose Drive
P: (062) 823 522 Fax: (062) 825 214

Tas.

BURNIE
Motors Burnie
Marine Terrace
P: (03) 6431 1122 Fax: (03) 6431 3146

DEVONPORT
Motors Devonport
Victoria Parade
P: (03) 6424 4033 Fax: (03) 6424 5249

HOBART
Motors Pty Ltd
179 MacQuarie Street
P: (03) 6220 1171 Fax: (03) 6223 8117

KING ISLAND
King Island Motors Pty Ltd
Netherby Road, Currie
P: (03) 6462 1155 Fax: (03) 6462 1500

LAUNCESTON
Motors Launceston
93~95 Elizabeth Street
P: (03) 6332 9101 Fax: (03) 6334 5245

HOLDEN DEALERS cont.

SMITHTON
Motors Smithton
Cnr Nelson & Gibson Street
P: (03) 6452 1241 Fax: (03) 6452 3123

ULVERSTONE
Motors Ulverston
97~101 Reibey Street
P: (03) 6425 2277 Fax: (03) 6425 2610

Vic. Metropolitan

BERWICK
Barry Bourke Holden
755 Princes Highway
P: (03) 9707 2222 Fax: (03) 9707 3091

BUNDOORA
Watson Holden
413 Grimshaw Street
P: (03) 9467 4677 Fax: (03) 9467 7661

BURWOOD
Penfold Holden
142 Burwood Highway
P: (03) 9268 1333 Fax: (03) 9268 1335

CHELSEA
Harrison Holden
370 Nepean Highway
P: (03) 9772 2233 Fax: (03) 9772 2190

CHELTENHAM
Booran Holden
1212 Nepean Highway
P: (03) 9584 3333 Fax: (03) 9584 4285

DANDENONG
Booran Holden
25 Lonsdale Street
P: (03) 9794 5455 Fax: (03) 9793 7001

DONCASTER
Doncaster Holden
636~640 Doncaster Road
P: (03) 9840 0188 Fax: (03) 9840 2587

ELSTERNWICK
Reg Hunt Holden
77 Nepean Highway
P: (03) 9528 2222 Fax: (03) 9528 1088

ESSENDON
Preston Motors (Essendon) P/L
205~211 Keilor Road
P: (03) 9374 2888 Fax: (03) 9379 6754

FAWKNER
Mantello Holden
1263 Sydney Road
P: (03) 9359 1333 Fax: (03) 9359 9334

FERNTREE GULLY
Ferntree Gully Holden
980 Burwood Highway
P: (03) 9758 2222 Fax: (03) 9758 3435

FOOTSCRAY
Alan Mance Holden
435 Barkly Street
P: (03) 9687 4222 Fax: (03) 9687 7529

FRANKSTON
Bay City Holden
140 Dandenong Road
P: (03) 9784 4444 Fax: (03) 9784 4419

GEELONG
R & B Smith Holden
510 Moorabool Street
P: (03) 5222 2888 Fax: (03) 5221 3114

GEELONG
Winter & Taylor (Sales) P/L
23 Cavendish Street
P: (03) 5222 1811 Fax: (03) 5221 1873

GLENHUNTLY
Booran Holden
1234 Glenhuntly Road
P: (03) 9571 9313 Fax: (03) 9571 8374

GLEN WAVERLEY
Geoff Brady Holden
565~577 Springvale Road
P: (03) 9550 5888 Fax: (03) 9550 5855

HASTINGS
Westernport Holden
2147 Flinders Road
P: (059) 791 503 Fax: (059) 793 845

LILYDALE
Heritage Holden
344 Main Street
P: (03) 9735 5566 Fax: (03) 9735 1040

MELTON
Alan Mance Holden
1 Holland Drive
(03) 9746 9666 Fax: (03) 9746 9555

MORNINGTON
John Collins Holden
976 Nepean Highway
P: (03) 5975 4433 Fax: (03) 5975 4720

OAKLEIGH
Garry & Warren Smith
1575 Dandenong Road
P: (03) 9568 6333 Fax: (03) 9568 5691

PRESTON
Ralph D'Silva Holden
573~603 High Street
P: (03) 9471 0500 Fax: (03) 9478 4210

RINGWOOD
Patterson Cheney Holden
45~57 Maroondah Highway
P: (03) 9262 6666 Fax: (03) 9870 1113

SOUTH MELBOURNE
South City Holden
380 City Road
P: (03) 9627 3333 Fax: (03) 9686 5836

HOLDEN DEALERS cont.

SOUTH YARRA
Penfold Holden
681 Chapel Street
P: (03) 9827 2272 Fax: (03) 9826 5328

SUNSHINE
Kevin Dennis Holden
272 Ballarat Road
P: (03) 9292 9292 Fax: (03) 9292 9200

WERRIBEE
Ballan Holden
56 Princes Highway
P: (03) 9741 2222 Fax: (03) 9742 3797

WEST MELBOURNE
Reg Hunt Holden
577 King Street
P: (03) 9329 6611 Fax: (03) 9329 1550

Vic. Country

ALEXANDRA
GK & JH Radford
79 Greints Street
P: (03) 5722 1588 Fax: (03) 5722 1978

ARARAT
David Reid Motors
High Street
P: (03) 5352 4100 Fax: (03) 5352 4388

BAIRNSDALE
The Big Garage
199 Main Street
P: (03) 5152 4131 Fax: (03) 5152 5313

BALLARAT
Peter Amor Motors
209~211 Gillies Street
P: (03) 5339 9333 Fax: (03) 5339 9202

BENALLA
Arnott's Motors
88~90 Bridge Street
P: (03) 5762 2500 Fax: (03) 5762 1586

BENDIGO
Ron Poyser Holden
Cnr High & Myrtle Streets
P: (03) 5442 3999 Fax: (03) 5442 7766

BIRCHIP
R.L. & C.J. Bales
38 Cumming Avenue
P: (03) 5492 2543

BOORT
Jaron Motors
55 Godfrey Street
P: (034) 552 008 Fax: (034) 552 008

CAMPERDOWN
Camperdown Auto Parts
96 Manifold Street
P: (03) 5593 1983 Fax: (03) 5593 1979

CASTERTON
Coxons Holden
139 Henty Street
P: (03) 5581 1166 Fax: (03) 5581 2116

CHARLTON
K.V. Charlton
70 High Street
P: (03) 5491 1444 Fax: (03) 5491 1984

COBRAM
Neville Mustica Motors
Murray Valley Hwy
P: (03) 5872 1666 Fax: (03) 5872 1920

COHUNA
Hare Motors Holden
105~107 King George Street
P: (03) 5456 4488 Fax: (03) 5456 3039

COLAC
Parker Bros. Motor Co
224 Murray Street
P: (03) 5231 5533 Fax: (03) 5231 3853

DAYLESFORD
K.R. Little
Vincent Street
P: (03) 5348 2248

DIMBOOLA
Westerfield Motors Pty Ltd
64 Lloyd Street
P: (03) 5389 1302

DONALD
O.A. Shilton & Sons Pty Ltd
5 Wood Street
P: (03) 5497 1400 Fax: (03) 5497 1505

ECHUCA
Echuca Motors
1 Nothern Highway
P: (03) 5482 1522 Fax: (03) 5480 6215

EUROA
Croxford Holden
41 Clifton Street
P: (03) 5795 2702 Fax: (03) 5795 3622

FOSTER
Ray Dower Motors
78 Main Street
P: (03) 5682 2404

HAMILTON
Peter Sandow Motors Pty Ltd
261 Gray Street
P: (03) 5572 1433 Fax: (03) 5571 1182

HOPETOUN
Hopetoun Motors
78 Lascelles Street
P: (03) 5083 3143 Fax: (03) 5083 3290

HORSHAM
Ivan Morrow Motors Pty Ltd
22 O'Callaghans Street
P: (03) 5382 0185 Fax: (03) 5382 0459

HOLDEN DEALERS cont.

KANIVA
Kaniva Motors
82 Commercial Street
P: (03) 5392 2300 Fax: (03) 5392 2589

KOOWEERUP
G & J Light Mechanical repairs P/L
Station Road
P: (03) 5997 1325

KORUMBURRA
Peter Dunlevie Holden
42 Commercial Street
P: (03) 5655 1288 Fax: (03) 5655 1839

KYABRAM
D'Alberto Holden
60 McEwen Road
P: (03) 5852 1366 Fax: (03) 5852 1337

KYNETON
Mollison Motors Pty Ltd
167 Mollison Street
P: (03) 5422 1810 Fax: (03) 5422 3501

LEONGATHA
Gleeson Holden
37~43 Bair Street
P: (03) 5662 2361 Fax: (03) 5662 3393

MANSFIELD
Martin's Garage
52~54 Chenery Street
P: (03) 5775 2610 Fax: (03) 5775 1179

MARYBOROUGH
Graham Jacka Holden
35 Nolan Street
P: (03) 5461 1011 Fax: (03) 5461 4789

MILDURA
Stuart & Harrison (Sales) Pty Ltd
24~32 Deakin Avenue
P: (03) 5023 0051 Fax: (03) 5021 3076

MORTLAKE
W. Christian (Mortlake) Pty Ltd
107 Dunlop Street
P: (03) 5599 2301 Fax: (03) 5599 2567

MURRAYVILLE
Peers Motors
McKenzie Street
P: (03) 5095 2081 Fax: (03) 5095 2054

NATHALIA
BHB Motors
6 Blake Street
P: (03) 5866 2660

NHILL
Ivan Morrow Motors Pty Ltd
71~73 Nelson Street
P: (03) 5391 1333 Fax: (03) 5391 1228

NULLAWIL
Nullawil Motors & General Engineers
Calder Highway
P: (03) 5493 5210 Fax: (03) 5493 5210

ORBOST
Merlin Motors
Stanley Street
P: (03) 5154 1909

PORTLAND
Reynolds Holden
Henty Highway
P: (03) 5523 1688 Fax: (03) 5523 6299

QUAMBATOOK
Quambatook Auto Services
32 Gutherie Street
P: (03) 5457 1237 Fax: (03) 5457 1420

ROCHESTER
Bruce Hocking Motors Pty Ltd
71 Moore Street
P: (03) 5484 1455 Fax: (03) 5484 1140

ROBINVALE
Stuart & Harrison (Sales) Pty Ltd
cnr Herbert & George Sts
P: (03) 5026 3305

RUTHERGLEN
Jasper Bros Pty Ltd
62 Main Street
P: (03) 6032 8408 Fax: (03) 6032 8156

SALE
Keith Boyd Holden
273 York Street
P: (03) 5144 3944 Fax: (03) 5144 6289

SEALAKE
Paddy Smith Holden
Calder Highway
P: (03) 5070 1147

SEYMOUR
Neil Beer Holden
49 Emily Street
P: (03) 5792 2777 Fax: (03) 5792 4111

SHEPPARTON
Parker Bros. Auto Co.
Benalla Road
P: (03) 5822 2666 Fax: (03) 5831 2507

STAWELL
Howden Holden
72~76 Longfield Street
P: (03) 5358 1888 Fax: (03) 5358 3954

SWAN HILL
Swan Hill Holden
94~102 Campbell Street
P: (03) 5033 1800 Fax: (03) 5032 2468

TALLANGATTA
Crispin Motors
21 Towong Street
P: (060) 712 414 Fax: (060) 712 655

TIMBOON
Timboon Motors
Bailey Street
P: (03) 5598 3007 Fax: (03) 5598 3362

HOLDEN DEALERS cont.

TRARALGON
Colin Watson Holden
Princes Highway
P: (03) 5174 8000 Fax: (03) 5175 0050

UNDERBOOL
A.J. Gloster & Sons
Cotter Street
P: (03) 5094 6291 Fax: (03) 5094 6297

WANGARATTA
Alan Capp (New Cars) Pty Ltd
Tone Road
P: (03) 5721 2133 Fax: (03) 5721 4626

WARRACKNABEAL
Amor Motors Aubrey Truck Sales
33 Woolcock Street
P: (03) 5394 1055 Fax: (03) 5398 1904

WARRAGUL
Vin Rowe Holden
3 Endeavour Street
P: (03) 5623 1362 Fax: (03) 5623 4314

WARRNAMBOOL
Callaghan Motors Pty Ltd
133~137 Fairy Street
P: (03) 5562 3711 Fax: (03) 5562 7415

WODONGA
McRae White Motors
182 Melbourne Road
P: (060) 562 333 Fax: (060) 247 899

WONTHAGGI
J.P. Holden
2 Murray Street
P: (03) 5672 1122 Fax: (03) 5672 4141

YARRAM
John Palmer Holden
150 Commercial Road
P: (03) 5182 5122 Fax: (03) 5182 6166

YARRAWONGA
Pigdons Pty Ltd
Belmore Street
P: (03) 5743 1577 Fax: (03) 5744 1788

Qld. Metropolitan

ALBION
Bill Harrison Car Sales
Frodsham Street & Crosby Road
P: (07) 262 2455 Fax: (07) 262 5728

ASPLEY
Zupps Aspley Pty Ltd
1454 Gympie Road
P: (07) 3246 8000 Fax: (07) 3263 7036

CAPALABA
Oldfield Holden
103 Redland Bay Road
P: (07) 3245 2200 Fax: (07) 3245 2221

INDOOROOPILLY
Westpoint Holden
440 Moggill Road
P: (07) 3378 6622 Fax: (07) 3878 1340

IPSWICH
Ross Llewellyn Holden
246 Brisbane Road
P: (07) 3282 2922 Fax: (07) 3282 6359

MOOROOKA
John Sivyer Holden
1060 Ipswich Road
P: (07) 3892 3344 Fax: (07) 3848 7816

MT. GRAVATT
Zupps Motors Pty Ltd
1310 Logan Road
P: (07) 3877 0000 Fax: (07) 3877 0130

NEWSTEAD
Eagers Retail Pty Ltd
95 Breakfast Creek Road
P: (07) 3364 1199 Fax: (07) 3364 1099

PETRIE
Petrie Holden
1059 Gympie Road
P: (07) 3285 2244 Fax: (07) 3285 1975

REDCLIFFE
Village Holden
425 Elizabeth Avenue
P: (07) 3284 7344 Fax: (07) 3883 2711

SPRINGWOOD
Motorama Holden
3455 Pacific Highway
P: (07) 3208 8888 Fax: (07) 3208 7018

WINDSOR
Leach Holden
143 Newmarket Road
P: (07) 3357 6711 Fax: (07) 3357 5403

WOOLLOONGABBA
Armstrong Holden
73 Ipswich Road
P: (07) 3891 5522 Fax: (07) 3891 5146

WYNNUM
Doug Barton Holden
200 Tingal Road
P: (07) 3396 7777 Fax: (07) 3393 3593

Qld. Country

ATHERTON
Redding Motors Pty Ltd
2 Cook Street
P: (070) 911 344 Fax: (070) 912 039

AYR
Honeycombes Sales & Service
213~217 Queen Street
P: (077) 832 344 Fax: (077) 832 079

HOLDEN DEALERS cont.

BEAUDESERT
Lawson Holden
57 Brisbane Street
P: (075) 541 2000 Fax: (075) 541 3368

BOWEN
McDermott Holden
98 Herbert Street
P: (077) 861 430 Fax: (077) 862 903

BUNDABERG
Ross Gray Holden
Takalvan Street
P: (071) 521 666 Fax: (071) 515 788

CABOOLTURE
Beecham Holden
Bribie Island Road
P: (07) 5495 1477 Fax: (07) 5495 2839

CAIRNS
Ireland Holden
227~233 Mulgrave Road
P: (070) 523 666 Fax: (070) 523 606

CALOUNDRA
Caloundra City Holden
Caloundra Road
P: (07) 5491 5522 Fax: (07) 5491 8016

CHARLEVILLE
Alan Dobbin Holden
129 Alfred Street
P: (076) 541 737 Fax: (076) 543 254

CHARTERS TOWERS
Peters Holden
57 Mosman Street
P: (077) 871 177 Fax: (077) 874 858

CHINCHILLA
Ainsworth Motors & Machinery Pty Ltd
55 Chinchilla Street
P: (076) 627 286 Fax: (076) 627 197

CROWS NEST
Dennis Nissen Motors
14 William Street
P: (076) 981 300 Fax: (076) 981 495

DALBY
Johnson's Holden
36 Drayton Street
P: (076) 622 422 Fax: (076) 624 311

EMERALD
Orion Agriculture Supplies Pty Ltd
Clermont Street
P: (079) 821 355 Fax: (079) 807 622

GATTON
Gatton Auto Centre
67 Railway Street
P: (07) 5462 1633 Fax: (07) 5462 1980

GLADSTONE
Andersons Auto City
56 Yarroon Street
P: (079) 721 177 Fax: (079) 729 141

GYMPIE
Madills
35 Mellor Street
P: (07) 5482 2522 Fax: (07) 5482 2672

HERVEY BAY
Whitaker Motor World
96 Torquay Road
P: (071) 281 722

INGHAM
Devietti Holden
99 Lannercost Street
P: (077) 761 599 Fax: (077) 763 547

INNISFAIL
I.C. Taylor Pty Ltd
117 Edith Street
P: (070) 611 577 Fax: (070) 613 963

JULIA CREEK
Julia Creek Motors Pty Ltd
Burke Street
P: (077) 467 155 Fax: (077) 467 197

KILCOY
Hobart's Garage
58 Mary Street
P: (07) 5497 1204 Fax: (07) 5497 1204

KINGAROY
John Dundas Pty Ltd
38 King Street
P: (071) 621 722 Fax: (071) 623 756

LAIDLEY
Buhse's Garage Pty Ltd
5 Spicer Street
P: (07) 5465 1406 Fax: (07) 5465 1706

LONGREACH
Longreach Motors
33 Swan Street
P: (076) 581 700 Fax: (076) 581 857

MACKAY
Pioneer Holden
Cnr Gordon & Wellington Streets
P: (079) 572 771 Fax: (079) 513 591

MAROOCHYDORE
Sunco Holden
Wises Road
P: (07) 5443 7644 Fax: (07) 5443 7645

MARYBOROUGH
Whitaker Holden
109~111 March Street
P: (071) 222 255 Fax: (071) 231 912

MOUNT ISA
Barkly Motors Pty Ltd
Marian Street
P: (077) 433 044 Fax: (077) 438 466

MURGON
Clifton Motors
McAllister Street
P: (071) 681 066 Fax: (071) 681 947

HOLDEN DEALERS cont.

NAMBOUR
Kallenbach Motors
139 Howard Street
P: (074) 413 099 Fax: (074) 413 105

NANANGO
Nanango Motors Pty Ltd
72~74 Drayton Street
P: (071) 631 108 Fax: (071) 631 108

NOOSAVILLE
Madill's Noosa
Cnr Weyba Road and Mary Street
P: (074) 498 399 Fax: (074) 490 828

PROSERPINE
Crossley Car Sales Whitsunday Pty Ltd
162~164 Main Street
P: (079) 451 822 Fax: (079) 452 022

QUILPIE
Quality Motors
Boonkai Street
P: (076) 561 244 Fax: (076) 561 322

ROBINA
Smith's Robina Holden
16 Brabham Circuit
P: (07) 5575 0500 Fax: (07) 5562 1072

ROCKHAMPTON
Lawrence's
327 Richardson Road
P: (079) 305 111 Fax: (079) 305 112

ROMA
Maranoa Multi Agencies
Bowen Street
P: (076) 222 900 Fax: (076) 221 832

SOUTHPORT
Lockhart Holden
Cnr Nerang Road & Olsen Avenue
P: (07) 5597 2900 Fax: (07) 5597 2542

SPRINGSURE
Springsure Motors
Eclipse Street
P: (079) 841 177 Fax: (079) 841 361

ST. GEORGE
Halpin Motors
39~41 Grey Street
P: (076) 255 466 Fax: (076) 255 855

STANTHORPE
Central Motors
42 Maryland Street
P: (076) 812 200 Fax: (076) 811 479

TOOWOOMBA
Toowoomba Holden
Cnr James & Hume Streets
P: (076) 900 900 Fax: (076) 900 909

TOWNSVILLE
Tony Ireland Holden
87~91 Charters Towers Road
P: (077) 267 777 Fax: (077) 211 486

TULLY
Island Coast Holden
12 Richardson Street
P: (070) 681 288 Fax: (070) 682 145

WARWICK
Deighton Motors Pty Ltd
Grafton Street
P: (076) 612 266 Fax: (076) 611 275

N.T.

ALICE SPRINGS
Kittles Holden
Cnr Wills & Railway Terrace
P: (08) 8952 1155 Fax: (08) 8953 1556

DARWIN
Kerry Holden
21~25 Stuart Highway
P: (089) 8981 8000 Fax: (089) 8981 7607

S.A. Metropolitan

ADELAIDE
City Holden
223 Grenfell Street
P: (08) 8223 7666 Fax: (08) 232 0718

ELIZABETH
Peter Page Holden
Elizabeth Way
P: (08) 8255 1288 Fax: (08) 8255 9260

MALVERN
Claridge Holden
361~367 Unley Road
P: (08) 8272 1600 Fax: (08) 8373 0057

PORT ADELAIDE
Smiths of Port Adelaide
271 Commercial Road
P: (08) 8447 3855 Fax: (08) 84473 978

REYNELLA
Southgate Holden
49~59 Main South Road
P: (08) 8381 9555 Fax: (08) 8381 6274

SOMERTON PARK
Hamilton Holden
278~288 Brighton Road
P: (08) 8296 4866 Fax: (08) 8296 7112

THEBARTON
Metro Holden
1 Port Road
P: (08) 8354 9555 Fax: (08) 8443 6855

VALLEY VIEW
Plaza Holden
817~839 North East Road
P: (08) 8263 4922 Fax: (08) 8265 5200

HOLDEN DEALERS cont.

S.A. Country

BALAKLAVA
Balaklava Motors
4 Wallace Street
P: (08) 8862 1030 Fax: (08) 8862 1030

BERRI
Rosenthal Bros Pty Ltd
Vaughan Terrace
P: (08) 8582 3644 Fax: (08) 8582 3515

BORDERTOWN
Farmer's Centre
South Terrace
P: (087) 520 266

CEDUNA
Beck Motors Pty Ltd
Poynton Street
P: (08) 8625 2616 Fax: (08) 8625 3201

CLARE
Mid North Motor Company
7 Old North Road
P: (08) 8842 2200 Fax: (08) 8842 2886

CLEVE
Herbert Motors Pty Ltd
Rudall Road
P: (08) 8628 2150 Fax: (08) 8628 2537

CUMMINS
Trigg & Wedd
3 Umlauf Street
P: (086) 762 105 Fax: (086) 762 303

CRYSTAL BROOK
Crouch Rural Pty. Ltd
26 Brandis Street
P: (08) 8636 2257 Fax: (08) 8636 2088

GAWLER
Steinborner Holden
Cnr Murray & Bridge Sts
P: (08) 8522 4222 Fax: (08) 85) 8522 4898

KADINA
J.H. Rosewarne Pty Ltd
Graves Street
P: (08) 8821 1111 Fax: (08) 8821 1686

KEITH
Farmers Centre
McBain Street
P: (08) 8755 3222 Fax: (08) 8755 3211

KINGSCOTE
Roberts Motors
Telegraph Road
P: (084) 822 021 Fax: (084) 822 853

KIMBA
R.J. Flavel Mechanical Repairs
30 High Street
P: (086) 272 555 Fax: (086) 272 044

KINGSTON
Lecornu's Service Garage
Agnes Street
P: (08) 8767 2424 Fax: (08) 8767 2533

LOXTON
Flight Motors Pty Ltd
Bookpurnong Terrace
P: (08) 8584 7277 Fax: (08) 8584 5937

MAITLAND
Maitland Motors Pty Ltd
58 Robert Street
P: (08) 8832 2601 Fax: (08) 8832 2673

MALLALA
Curnow's Garage Pty Ltd
Balaklava Road
P: (08) 8527 2003 Fax: (08) 8527 2255

MENINGIE
Peter Hood Holden
Cnr Princes Highway & Coonalpyn Road
P: (08) 8575 1109 Fax: (08) 8575 1537

MILLICENT
Dennis Cowling Holden
98 George Street
P: (08) 8733 3488 Fax: (08) 8733 3112

MT. BARKER
Gilbert Motors
57 Adelaide Road
P: (08) 8391 1500 Fax: (08) 8398 2124

MT. GAMBIER
O.G. Roberts & Co
Jubilee Highway West
P: (08) 8725 6788 Fax: (08) 8723 0636

MURRAY BRIDGE
Dutton Motors Pty Ltd
7 Adelaide Road
P: (08) 8532 1999 Fax: (08) 8531 0599

NARACOORTE
Kingcraig Motors Pty Ltd
158~164 Smith Street
P: (08) 8762 1555 Fax: (08) 8762 1806

PORT AUGUSTA
Hayes Augusta Motor Company
38 Stirling Road
P: (08) 8641 0488 Fax: (08) 8642 4300

PORT LINCOLN
City Motors
King Street
P: (08) 8682 1100 Fax: (08) 8682 4734

PORT PIRIE
Spencer Holden
50 Ellen Street
P: (08) 8632 3888 Fax: (08) 8632 6405

RENMARK
Rosenthal Motors Pty Ltd
Ral Ral Avenue
P: (08) 8586 6626 Fax: (08) 8586 4040

HOLDEN DEALERS cont.

ROXBY DOWNS
Augusta Motor Co.
10 Gosse Street
P: (086) 710 100 Fax: (086) 710 950

STRATHALBYN
Gilbert Holden Strathalbyn
High Street
P: (08) 8536 2066 Fax: (08) 8536 2672

TANUNDA
Hage & Co Pty Ltd
50 Murray Street
P: (08) 8563 2123 Fax: (08) 8563 3488

VICTOR HARBOR
Southern Motors Holden
5 Victoria Street
P: (08) 8552 1255 Fax: (08) 8555 2788

WAIKERIE
Riverside Holden
6 Crush Terrace
P: (08) 8541 2900 Fax: (08) 8541 3325

WHYALLA
Whyalla Motor Company
64 Essington Lewis Avenue
P: (08) 8645 7388 Fax: (08) 8645 5512

YANKALILLA
Martin Motors Pty Ltd
Main Street
P: (08) 8558 2052 Fax: (08) 8558 2911

YORKETOWN
Southway Holden
7 Minalaton Road
P: (08) 8852 1322 Fax: (08) 8852 1271

MELVILLE
Melville Motors Pty Ltd
532~540 Canning Highway
P: (08) 9333 5333 Fax: (08) 9333 5300

MIDLAND
Goldy Holden
161 Great Eastern Highway
P: (08) 9274 3411 Fax: (08) 9274 6042

MORLEY
Metro Motors
212 Walter Road
P: (08) 9449 3522 Fax: (08) 9449 3599

NAVAL BASE
Shacks Cockburn
15 Rockingham Road
P: (08) 9410 1433 Fax: (08) 9410 2331

OSBORNE PARK
North City Holden
Cnr Scarborough Beach Rd & Harborne St
P: (08) 9273 2222 Fax: (08) 9273 2220

PERTH
City Motors
505 Newcastle Street
P: (08) 9422 7777 Fax: (08) 9422 7630

VICTORIA PARK
Youngs Holden
529 Albany Highway
P: (08) 9449 9449 Fax: (08) 9449 9494

WANNEROO
Phoenix Holden
5 Berriman Drive
P: (08) 9409 9200 Fax: (08) 9309 2140

W.A. Metropolitan

CANNINGTON
Brian Gardner Holden
1308~1324 Albany Hwy
P: (08) 9451 2333 Fax: (08) 9458 9144

FREMANTLE
Shacks Holden
64 Queen Victoria Street
P: (08) 9432 9400 Fax: (08) 9432 9456

GOSNELLS
Lance Gibbons Holden
2325 Albany Highway
P: (08) 9398 2211 Fax: (08) 9398 5683

MANDURAH
Mandurah Holden
283 Pinjarra Rd
P: (08) 9535 8777 Fax: (08) 9535 8822

W.A. Country

ALBANY
Mark Loveridge Holden
92~98 Earl Street
P: (08) 9841 2355 Fax: (08) 9841 8623

BRIDGETOWN
Kordics Bridgetown
Hampton Street
P: (08) 9761 1377 Fax: (08) 9761 2151

BROOKTON
Coote Motors
Robinson Road
P: (08) 9642 1108 Fax: (08) 9642 1003

BROOME
Norwest Holden
McPherson Street
P: (08) 9192 1277 Fax: (08) 9192 2230

HOLDEN DEALERS cont.

BUNBURY
Bunbury Holden
3 Sandridge Road
P: (08) 9791 3899 Fax: (08) 9791 2990

BUSSELTON
Fennessy Holden
2~4 Bussell Hwy
P: (08) 9752 1577 Fax: (08) 9752 4080

CARNAMAH
T & H Walton Stores Pty Ltd
Robertson Street
P: (08) 9951 1130 Fax: (08) 9951 1082

CARNARVON
North West Autos
175 Robinson Street
P: (08) 9941 1159 Fax: (08) 9941 1363

COLLIE
Station Motors
102 Throssell Street
P: (08) 9734 1855 Fax: (08) 9734 1913

CORRIGIN
Farmpower
Kunjin Street
P:(08) 9063 2303 Fax: (08) 9063 2445

CRANBROOK
Cranbrook Motors
11~13 Gathorne Street
P: (08) 9826 1014 Fax: (08) 9826 1097

DERBY
BP Colac
Loch Street
P: (08) 9191 1429

ESPERANCE
Dempster Holden
Norseman Road
P: (08) 9071 1155 Fax: (08) 9071 3799

GERALDTON
Youngs Motors
Cathedral Avenue
P: (08) 9921 1088 Fax: (08) 9964 1157

GNOWANGERUP
G.S. Hendry & Co Pty Ltd
Yougenup Street
P: (08) 9827 1030 Fax: (08) 9827 1460

HARVEY
Stockman Holden
111 Uduc Road
P: (08) 9729 3333 Fax: (08) 9729 3221

KALGOORLIE
Golden City Holden
114 Boulder Road
P: (08) 9021 1699 Fax: (08) 9021 5737

KARRATHA
Moxham Motors
Lot 4551 Balmoral Road
P: (08) 9144 1225 Fax: (08) 9144 1258

KATANNING
Edwards Holden
159 Clive Street
P: (08) 9821 2388 Fax: (08) 9821 2429

KELLERBERRIN
Dowding Motors
1 Mitchell Street
P: (08) 9045 4141 Fax: (08) 9045 4466

KOJONUP
Harris' Garage
Albany Highway
P: (08) 9831 1122 Fax (08) 9831 1043

KULIN
Farmpower
High Street
P: (08) 9880 1266 Fax: (08) 9808 1281

KUNUNURRA
Elgee Holden
231 Bloodwood Drive
P: (08) 9168 2236 Fax: (08) 9169 1124

MANJIMUP
Manjimup Automotive Services
Pritchard Street
P: (08) 9771 1388 Fax: (08) 9777 1214

MERREDIN
Carson's of Merredin
112 Barrack Street
P: (08) 9041 1444 Fax: (08) 9041 1765

MOORA
Frank Lewis Holden
Gardiner Street
P: (08) 9651 1408 Fax: (08) 9651 1724

NAREMBEEN
Aquip Holden
20 Churchill Avenue
P: (08) 9064 7214 Fax: (08) 9064 7065

NARROGIN
Marley White & Co
Federal Street
P: (08) 9881 4777 Fax: (08) 9881 4707

NEWMAN
Cockburn Corefleet
Newman Drive
P: (08) 9175 1421

NORTHAM
Withnell Motors
58 Fitzgerald Street
P: (08) 9622 1188 Fax: (08) 9622 3664

PORT HEDLAND
15 Anderson Street
Moxham Motors
P:(08) 9173 3660 Fax: (08) 9173 3662

QUAIRADING
Farmpower
York Road
P: (08) 9645 1103 Fax: (08) 9645 1310

HOLDEN DEALERS cont.

TOM PRICE
Farnor Motors Pty. Ltd.
43 Booneroo Road
P: (08) 9189 1400

WAGIN
Marley White & Co
Tudor Street
P: (08) 9861 1055 Fax: (08) 9861 1657

WEDGEFIELD
N & L Mechnical
Lot 3780 Carlinde Street
P: (08) 9172 2623 Fax: (08) 9172 2896

WONGAN HILLS
Agro Machinery Pty Ltd
Fenton Street
P: (08) 9671 1311 Fax: (08) 9671 1505

WYALKATCHEM
Agro Machinery
Railway Terrace
P: (08) 9681 1088 Fax: (08) 9681 1082

CHAPTER 10

Towing

Page

10-2 Loading the vehicle
10-2 Towing weights
10-3 Tow bar ball loads
10-3 Running-in when towing
10-4 Towing precautions

LOADING AND TOWING

Overloading is a safety hazard and could also shorten the life of your vehicle.

Kerb mass (kg)

The kerb masses shown below are for the weight of a standard unloaded vehicle with 10 litres of fuel in the fuel tank.

DRIVE	CAB	REAR BODY	PETROL		DIESEL
			STD	LS	DLX
4 X 2	Single cab	Pick-up			
		Cab-chassis	1,175		1,315
	Space cab	Pick-up		1,335	
		Cab-chassis			
	Crew cab	Pick-up			
4 x 4	Single cab	Cab-chassis			1,460
	Space cab	Pick-up		1,526	
		Cab-chassis			1,515
	Crew cab	Pick-up			1,650

G.V.M.

Gross Vehicle Mass (G.V.M.) is the total weight that a vehicle is allowed to weigh when fully loaded. This must include luggage, passengers, a full tank of fuel and towbar ball load. The maximum, allowable G.V.M. for 2WD vehicles is 2,730 kg, 4WD is 2,740 kg.

Towing capacity (State regulations permitting)

You may tow a loaded caravan or trailer weighing up to 1,800 kg, provided the G.C.M. is not exceeded. This means that if your Rodeo is heavily loaded you would not be able to tow 1,800 kg because the combined weight of the trailer and Rodeo would exceed the G.C.M. set out below.

G.C.M.

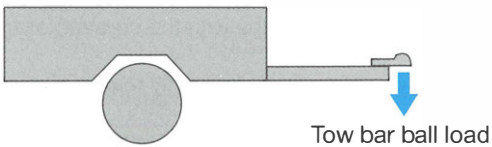
G.C.M., or Gross Combined Mass is the maximum, allowable combined weight of a vehicle (with passengers, luggage and a full tank of fuel) plus the weight of a packed trailer.

If your trailer (or caravan) is fitted with braking which is initiated by the driver (NOT over-run operated trailer brakes) then the maximum, allowable G.C.M. for 2WD vehicles is 3,730 kg, 4WD is 3,740 kg.

If your trailer (or caravan) is not fitted with driver initiated braking then the maximum, allowable G.C.M. for 2WD vehicles is 3,230 kg, for 4WD is 3,240 kg.

LOADING AND TOWING

Tow bar ball load



Towbar ball Load is the weight on the towbar ball when the packed trailer/ caravan is hitched.

Ideally, the ball load should be 10% of the packed trailer weight. This can be adjusted by correctly packing the contents of the trailer.

If the ball load is too light or too heavy, the steering and handling of the vehicle will be affected.

Fitting bull bars, driving lights, insect screens

When fitting these accessories be careful not to restrict air flow through the condenser and radiator, otherwise engine overheating and/or poor air conditioning performance may result.

Front & rear axle load

The maximum allowable front axle load for 2WD vehicles is 1,050 kg, 4WD is 1,150 kg. The maximum allowable rear axle load for both axle types is 1,680 kg. However, the combination of the front and rear axle load should never exceed the maximum G.V.M.

Remember to take the towbar ball load into account when determining the rear axle load.

Running-in when towing

It is best to drive your new vehicle for 1,500 km before towing a load. If you must tow before this do not exceed 80 km/h on good roads. No heavy, off road towing should be attempted before 1,500 km.

TOWING PRECAUTIONS

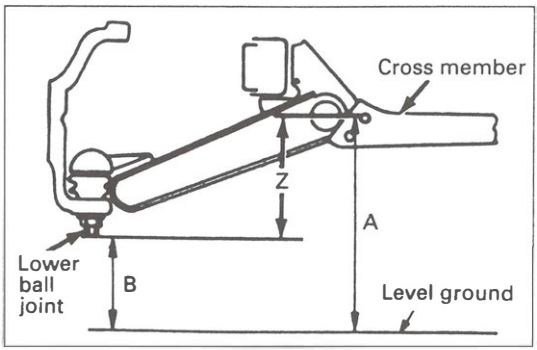
- Your vehicle will handle differently when towing. It's a good idea to make a couple of short distance trips with the caravan or trailer before you set off on the big one.
- Have your vehicle correctly maintained and serviced.
- Have your caravan or trailer maintained and serviced, with particular attention given to condition of brakes, tyres, suspension, wheel bearings, towing coupling and lighting.
- Driving speed should be reduced when towing.
- Ensure that the loads in the trailer/caravan are secured so that they cannot slip.
- You should have an extended-arm mirror on both sides of your vehicle.
- Headlights may need re-aiming after the loaded caravan has been hitched.
- Use a lower gear, rather than your brakes when descending steep hills.
- If your caravan or trailer moves off the road behind you, allow the left wheels of your vehicle to move off as well. When it is safe to do so, carefully steer back on to the road. A sudden attempt to steer back could make you swerve dangerously.
- Avoid sudden steering manoeuvres at high speed to minimize trailer weight affecting vehicle and trailer control.
- Trailer brakes are required on trailers weighing over 500 kg when loaded. Some States require trailer brakes on loads less than 500 kg.
- The brakes on the trailer or caravan must be designed to cope with the braking requirements of that trailer or caravan under all towing conditions, without adversely affecting the brakes on the vehicle.
- Do not use axle-mounted hitches.
- Correctly rated towbar and tongue package must be used.
- Ensure that the tow bar does not obscure the rear licence plate. If necessary, remove the towbar tongue when it is not required for towing.
- More frequent vehicle maintenance is required when using your vehicle to pull a trailer or caravan, refer Chapter 12.
- It is permissible to tap into the brake system with a unit not more than 0.21cc of fluid displacement during the operation of the brakes.

FRONT WHEEL ALIGNMENT

Trim height (Z):

56mm for: 2WD 4ZE1
2WD 4JB1T

130mm for: 4WD 4ZE1
4WD 4JBiT
4WD 6VD1
2WD 6VD1



Toe-in	2 mm ± 2 mm
Camber	30' ± 60'
Caster	2WD 1 degree 10' ± 45' 4WD 2 degrees 10' ± 45'

Notes

CHAPTER 11

Cleaning

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11-2 Underbody cleaning
11-2 Washing tips
11-3 Wiper blades
11-3 Seat belts

CLEANING

The paint on your vehicle will stay bright and new-looking provided you wash and wax it regularly, using approved products. Weekly washing is recommended if the vehicle is being used constantly or if it is not parked under cover.

Before you wash the paint, thoroughly wash in and around the front and rear windows and check that door drain holes are clean. Hose off any heavy dirt on the glass, but leave final cleaning of the glass until last.

Underbody cleaning

The effects of salts and other corrosive materials from road surfaces can result in accelerated rusting and deterioration of underbody components such as brake and fuel lines, frame, underbody floor pan, exhaust system, brackets, parking brake cables. These corrosive effects, however, can be reduced by periodic hosing of the underbody with plain water whenever the vehicle is being washed. In geographical areas having a heavy concentration of corrosive materials it is recommended that the complete underbody be inspected and washed at least one each year, preferably after a winter's exposure. Particular attention should be given to cleaning out underbody members where dirt and other foreign materials may have collected.

Washing tips

Use either cold or warm water - preferably running.

Use clean chamois cloths, sponges or rags (old, clean linen is better than new material for glass).

Don't wash your vehicle in bright sunlight - it will streak.

Grease and oil can be removed with a little kerosene or white spirits. Flush with water afterwards.

If petrol is spilled during refilling, flush with water immediately.

Be sure that your cleaner, polish or wax is suitable, Holden's Wash & Wax from your Dealer is highly recommended.

Insect spots can be removed with a mixture of 220 grams of baking soda and 2 litres of water. Flush clean afterwards. New tyre look can be restored with Holden's Tyre Black from your Dealer.

Tarnished chrome responds well to Holden's Polishing Liquid.

CLEANING

Wiper blade cleaning

Much of the road scum thrown up onto the windscreen glass (causes smearing when the wipers are switched on) transfers onto the wiper blades. Many owners, whilst they methodically clean the windscreen glass, omit to clean the wiper blades and consequently smearing of the glass reappears immediately the wiper blades are set in motion. The blades can be cleaned by simply lifting them off the windscreen glass and then using warm water and a recognised washing fluid.

IMPORTANT: Do not operate the wipers blades by hand as this may damage the wiper drive mechanism.

Should the wiper blades be frozen to the windscreen, it is imperative that they be lifted off and freed by hand before switching on the wipers.

CAUTION: Many cleaners may be toxic, flammable or may damage the interior. When cleaning the interior, avoid volatile cleaners such as: acetone, lacquer thinners, enamel reducers, nail polish removers, or cleaners such as laundry soaps, bleaches or reducing agents. Never use carbon tetrachloride, petrol or naphtha for any cleaning purpose. Be sure the vehicle is well ventilated while using any cleaners and always follow the cleaning manufacturer's recommendations.

Seat belts

Clean seat belts with a mild, non-abrasive soap and luke warm water. After washing, be sure to thoroughly sponge the washing solution out of the belts.

CAUTION: Do not bleach or dye seat belts as this may severely weaken the belts.

CHAPTER 12

Servicing

Page

12-2 Service intervals
12-3 Extreme operating conditions
12-4 Maintenance schedule
12-6 Service costs
12-7 Maintenance coupons

SERVICE INTERVALS

When it comes to service, remember that your Holden Dealer has the trained personnel and specialised equipment to correctly service your vehicle. Your Dealer invites you to return for all your service needs both during and after the warranty period.

The safety, economy, emission control, performance and reliability of your vehicle cannot be assured unless regular maintenance is performed, preferably by factory-trained technicians at your Holden Dealer.

Therefore, it is in the owner's interest that the following services are performed at the specified Distance or Months (whichever occurs first).

5,000 km	- 3 months
10,000 km	- 6 months
20,000 km	- 1 year
30,000 km	- 1.5 years
40,000 km	- 2 years
50,000 km	- 2.5 years
60,000 km	- 3 years
70,000 km	- 3.5 years
80,000 km	- 4 years
90,000 km	- 4.5 years
100,000 km	- 5 years
110,000 km	- 5.5 years
120,000 km	- 6 years

The three month (5,000 kilometres) service will be performed "labour free" by the Selling Dealer.

This service may be carried out by another Holden Dealer provided you have a letter of Introduction from the Selling Dealer.

Your Dealer will supply the necessary Letter of Introduction on request.

It is the owner's responsibility to have the diesel engine oil changed between the regular service interval of 10,000 km or 6 months.

The services shown in this schedule between 10,000 and 120,000 are to be performed again after 120,000 km at the same intervals.

NOTE: All maintenance services as listed in this handbook and replacement of service items are the responsibility of the owner and as such are NOT considered, under the provisions of the new vehicle warranty to be rectification of defective material and workmanship. Items such as wheel alignment, necessary adjustments to drive belts, transmission, clutch, parking brake, etc. or any other items which may require servicing due to fair wear and tear will be carried out at the owner's cost.

Failure to have proper maintenance services carried out by an Authorised Holden Dealer or service Dealer may void your new Vehicle Warranty if the work is not carried out in accordance with Holden's specifications. It is strongly recommended that you read the "New Vehicle Warranty" in Chapter 9 so that you are aware of your entitlements.

Service coupons are provided further on in this chapter. When each service is performed the coupon is removed so that the following service coupon is readily visible to remind you when the next service is due.

After the service is completed, the owner should check that the service has been validated, by the Dealer stamping and signing the coupon stub. This is important as it will not only assist in the determination of Warranty Claims, but will enhance the value of the vehicle when selling.

EXTREME OPERATING CONDITIONS

If your vehicle operates under any of the extreme conditions listed in the following table it is recommended that some items be serviced more frequently than the intervals specified in the Maintenance Plan.

NOTE: The extra services listed below need only be used continuously if your vehicle operates continuously under the conditions specified.

If you operate under any of these conditions on a one off basis e.g. holiday trip, then an extra service should be for that period only.

As a guide, if you operate continually for a period of one month or 1,000 kilometres under any of the extreme conditions, then this could qualify for additional services.

If at any time it is considered that the above items or other items should be more frequently serviced due to the type of operation or before a long trip, discuss the situation with the service manager of your Holden Dealer.

Change petrol engine oil every 5,000 km			C	D
Change diesel engine oil every 2,500 km			C	D
Replace engine oil filter every 5,000 km			C	D
Change air cleaner element every 5,000 km			C	
Inspect steering system for looseness or damage every every 5,000 km		B	C	
Inspect universal joints and sleeve for wear every 5,000 km		B	C	
Change manual transmission and transfer case oil every 20,000 km (after initial change at 10,000 km)		B	C	
Change auto trans fluid and strainer every 40,000 km	A	B	C	D
Replace front wheel bearing and locking hub grease every 10,000 km		B	C	
Change differential oil every 20,000 km (after initial change at 10,000 km)		B	C	
Inspect brake pads and linings every 10,000 km	A	B	C	

A = Repeated short trips

B = Driving on rough roads

C = Driving on dusty, muddy roads and/or off road

D = Repeated short trips in extremely cold weather

MAINTENANCE SCHEDULE

Use odometer reading or months, whichever occurs first		x1,000 km	5	10	20	30	40	50	60	70	80	90	100	110	120
		or years	.25	.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
UNDER BONNET															
P Engine oil		*	R	R	R	R	R	R	R	R	R	R	R	R	R
P Engine oil filter		*		R	R	R	R	R	R	R	R	R	R	R	R
D Engine oil #		*	R	change every 5000 km or 3 months											
D Engine oil filter		*		R	R	R	R	R	R	R	R	R	R	R	R
Oil leakage & contamination			I	I	I	I	I	I	I	I	I	I	I	I	I
Fluid levels: power steering, brake, washer, auto trans, clutch, battery			I	I	I	I	I	I	I	I	I	I	I	I	I
Coolant level 50% concentration			I	I	I	I	R	I	I	I	R	I	I	I	R
Radiator cap and cooling system pressure test					I		I		I		I		I		I
Idling speed and acceleration			I	I	I	I	I	I	I	I	I	I	I	I	I
P Timing belt	4ZE1												R		
	6VD1		Replace every 160,000 km												
All hoses and pipes in engine bay for deterioration or leaks			I	I	I	I	I	I	I	I	I	I	I	I	I
Clean front of radiator core and A/C condensor					I		I		I		I		I		I
Fuel filter					R		R		R		R		R		R
Air cleaner element		*	I	I	I	I	R	I	I	I	R	I	I	I	R
All V-drive belts for tension and damage	except 6VD1		I	I	I	I	I	I	I	I	I	I	I	I	I
	6VD1							I					I		
Valve clearance	except 6VD1		A		A		A		A		A		A		A
	6VD1												A		
P Spark plugs							R				R				R
P Cylinder head bolts (only 4ZE1)			T		T		T		T		T		T		T
D Injection timing			I										I		
D Injector pressure & spray pattern													I		
P Ignition timing (only 4ZE1)			I		I		I		I		I		I		I
Power steering fluid			I	I	I	I	R	I	I	I	R	I	I	I	R

MAINTENANCE SCHEDULE

Use odometer reading or months, whichever occurs first	x1,000 km	5	10	20	30	40	50	60	70	80	90	100	110	120
	or years	.25	.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6

UNDER VEHICLE

Clutch fluid						R				R				R
Brake fluid						R				R				R
Manual trans and transfer case oil	*	I	I	I	I	R	I	I	I	R	I	I	I	R
Automatic trans fluid	*	I	I	I	I	I	I	I	I	R	I	I	I	I
Universal joints and splines for wear	*			I		I		I		I		I		I
Universal joints and sliding sleeve	*	L	L	L	L	L	L	L	L	L	L	L	L	L
Differential gear oil (front and rear)	*	I	I	I	I	R	I	I	I	R	I	I	I	R
Rear brake linings/drums	*			I		I		I		I		I		I
Front disc brake pads/discs	*			I		I		I		I		I		I
Wheel nuts		T	T	T	T	T	T	T	T	T	T	T	T	T
Front wheel bearing & locking hubs grease	*				R			R			R			R
Front and rear hub bearings for looseness		I		I		I		I		I		I		I
Vehicle ride height		A	A	A	A	A	A	A	A	A	A	A	A	A
Tyre pressure and wheels for damage		I	I	I	I	I	I	I	I	I	I	I	I	I
Tyre rotation		Rotate as necessary												

I: Inspect and correct or replace as necessary **R**: Replace or change
T: Tighten to specified torque **L**: Lubricate **A**: Adjust **P**: Petrol **D**: Diesel

*: under extreme operating conditions more frequent maintenance is required, refer page 12-3

#: Diesel engine oil change intervals may be extended to 10,000 km provided the engine oil meets API CG-4 classification.

MAINTENANCE SCHEDULE

Use odometer reading or months, whichever occurs first	x1,000 km	5	10	20	30	40	50	60	70	80	90	100	110	12-0
	or years	.25	.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
UNDER VEHICLE cont.														
General underbody check: steering & suspension, (inc. shock abs, rubber bushes and boots, ball joints and connections) park brake cables, fuel, exhaust & brake systems, bolts, nuts, hoses, pipes for leaks.		*	I	I	I	I	I	I	I	I	I	I	I	I
INSIDE VEHICLE														
Clutch pedal travel and free play		A	A	A	A	A	A	A	A	A	A	A	A	A
Steering wheel freeplay			I	I	I	I	I	I	I	I	I	I	I	I
Brake pedal travel and free play			I	I	I	I	I	I	I	I	I	I	I	I
Park brake lever travel			I		I		I		I		I			I
Operation of lights, wipers, switches & controls			I	I	I	I	I	I	I	I	I	I	I	I
Park brake ratchet for wear or damage					I		I		I		I			I
ROAD TEST														
Check vehicle on the road for braking, steering, engine response and trans operation.			I	I	I	I	I	I	I	I	I	I	I	I
SERVICE TIMES														
Petrol engine		-	1	2.2	2.3	2.5	1	3.2	1	2.5	2.3	3.5	1	3.5
Diesel engine		-	1	2.2	2.3	2.5	1	3.2	1	2.5	2.3	3.7	1	3.5
add for 4WD		-	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.2	0.4
add for 6VD1 engine		-	-	-	-	-	-	-	-	-	-	5.0	-	-

- The owner will be charged for all lubricants and materials used plus labour at the times recommended on the previous page.
- The repair or replacement of any part found faulty during a service check and not covered by Holden Warranty will be added to the charges.
- Where any deficiencies are noted, such items should be reported to the owner/operator so that the extra work required can be authorised.
- The use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended; their use will not only increase operating costs, but may indeed be harmful to your vehicle.

5,000 km or 3 months

SERVICE COUPON

This coupon should not be removed until the vehicle is presented for service.

Owner's Name

Mr.
Mrs. .....
Miss.
Other.....

Address .....

Town & State ..... Postcode .....

Reg. no. ..... Engine no .....

I.S.O.V.I.N. ..... Model .....

Selling Dealer's Stamp & Signature .....

Date of Acquisition .....

This vehicle has been thoroughly checked in accordance with the schedule on the reverse side of this coupon.

Servicing Dealer's Stamp & Signature .....

Servicing Dealer .....

Town ..... State .....

Owner's signature .....

This service will be carried out without charge to the owner. The owner will, however, be charged for any lubricants or parts used.

P.T.O.

5,000 km or 3 months Service Validation

This vehicle has been thoroughly checked in accordance with the 5,000 km service.

Dealer .....

Service Manager's signature .....

Date ..... Odometer reading.....

Under hood - petrol only

- ❒ Check for oil contamination
- ❒ Check fluid levels: pwr steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check all V-drive belts for tension and damage (4ZE1 only)
- ❒ Check idling speed and acceleration
- ❒ Check air cleaner element
- ❒ Change engine oil
- ❒ Check all hoses & pipes in engine bay for deterioration or leaks
- ❒ Tighten cylinder head bolts (4ZE1 only)
- ❒ Check ignition timing (4ZE1 only)
- ❒ Adjust valve clearance (4ZE1 only)
- ❒ Check power steering fluid

Under hood - diesel only

- ❒ Change engine oil
- ❒ Check for oil contamination
- ❒ Check fluid levels: pwr steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check idling speed and acceleration
- ❒ Check all V-drive belts for tension and damage
- ❒ Adjust valve clearance
- ❒ Check air cleaner element
- ❒ Check all hoses & pipes in engine compartment for deterioration or leaks
- ❒ Check injection timing
- ❒ Check power steering fluid

Under vehicle - petrol and diesel

- ❒ Check/correct oil level: manual trans and transfer case
- ❒ Check/correct oil level: automatic transmission transfer case
- ❒ Check/correct gear oil level: differential (front and rear)
- ❒ Tighten wheel nuts
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering & suspension components, (inc. shock abs, all rubber bushes & boots, ball joints & connections) park brake cables, fuel, exhaust & brake systems, bolts, nuts, hoses, pipes for leaks
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Check vehicle ride height
- ❒ Check front & rear hub bearings for looseness
- ❒ Tyre rotation as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel freeplay
- ❒ Check brake pedal travel and free play
- ❒ Check park brake lever travel
- ❒ Check operation of lights, wipers, switches & controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

INTERMEDIATE OIL CHANGES

15,000 km or 9 Months oil change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer.....
25,000 km or 15 Months oil change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer.....
35,000 km or 21 Months oil change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer.....
45,000 km or 27 Months oil change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer.....
55,000 km or 33 Months oil change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer.....
65,000 km or 39 Months oil change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer.....

INTERMEDIATE OIL CHANGES

75,000 km or 45 Months oil change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer .....
85,000 km or 51 Months oil change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer .....
95,000 km or 57 Months oil change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer .....
105,000 km or 63 Months oil change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer .....
125,000 km or 69 Months oil change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer .....
135,000 km or 71 Months oil change	Intermediate oil change carried out at ..... km on (date) ..... Servicing Dealer .....

10,000 km or 6 months

SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.
I understand I will be charged for the following hours of labour:

- 1hour
- add 0.2 hours for 4WD

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature..... Date .....

Under hood - petrol only

- ❒ Change engine oil and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check all hoses & pipes in engine compartment for deterioration or leaks
- ❒ Check all V-drive belts for tension and damage (4ZE1 only)
- ❒ Check idling speed and acceleration
- ❒ Check air cleaner element
- ❒ Check power steering fluid

Under hood - diesel only

- ❒ Change engine oil (every 5000 km) and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check idling speed and acceleration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Check all V-drive belts for tension and damage
- ❒ Check air cleaner element
- ❒ Check power steering fluid

P.T.O.

10,000 km or 6 months Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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Under vehicle - petrol and diesel

- ❒ Check level of manual transmission and transfer case oil
- ❒ Check level of automatic transmission transfer case oil
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Check level of differential gear oil (front and rear)
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering and suspension components, (inc. shock abs, all rubber bushes and boots, ball joints and connections) park brake cables, fuel , exhaust & brake system, bolts, nuts, hoses, pipes and for leaks
- ❒ Check vehicle ride height
- ❒ Tyre rotation as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel free play
- ❒ Check brake pedal travel and free play
- ❒ Check operation of lights, wipers, switches & controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

20,000 km or 1 year SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.
I understand I will be charged for the following hours of labour:

- 2. hours
- add 0.2 hours for 4WD

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature ..... Date .....

Under hood - petrol only

- ❒ Change engine oil and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check radiator cap and cooling system pressure
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Clean front of radiator core and A/C condenser
- ❒ Replace fuel filter
- ❒ Check air cleaner element
- ❒ Check all V-drive belts for tension and damage (4ZE1 only)
- ❒ Check idling speed and acceleration
- ❒ Tighten cylinder head bolts (4ZE1 only)
- ❒ Check ignition timing (4ZE1 only)
- ❒ Adjust valve clearance (4ZE1 only)
- ❒ Check power steering fluid

P.T.O.

20,000 km or 1 year Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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Under hood - diesel only

- ❒ Change engine oil (every 5,000 km) and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check radiator cap and cooling system pressure
- ❒ Check idling speed and acceleration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Clean front of radiator core and A/C condenser
- ❒ Replace fuel filter
- ❒ Check air cleaner element
- ❒ Check all V-drive belts for tension and damage (4ZE1 only)
- ❒ Adjust valve clearance
- ❒ Check power steering fluid

Under vehicle - petrol and diesel

- ❒ Check level of manual transmission and transfer case oil
- ❒ Check level of automatic transmission transfer case oil (with 4ZE1 engine)
- ❒ Inspect universal joints and splines for wear
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Check level of differential gear oil (front and rear)
- ❒ Inspect brake pads and discs/linings and drums, front and rear
- ❒ Tighten wheel nuts
- ❒ Inspect front and rear hub bearings for looseness
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering and suspension components, (inc. shock abs, all rubber bushes and boots, ball joints and connections) park brake cables, fuel, exhaust & brake system, bolts, nuts, hoses, pipes and for leaks
- ❒ Check vehicle ride height
- ❒ Tyre rotation as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel freeplay
- ❒ Check brake pedal travel and free play
- ❒ Check park brake lever travel
- ❒ Check park brake ratchet for wear or damage
- ❒ Check operation of lights, wipers, switches & controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

30,000 km or 1½ years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.
I understand I will be charged for the following hours of labour:

- 2.3 hours
- add 0.4 hours for 4WD

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature..... Date .....

Under hood - petrol only

- ❒ Change engine oil and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Check all V-drive belts for tension and damage (4ZE1 only)
- ❒ Check idling speed and acceleration
- ❒ Check air cleaner element
- ❒ Check power steering fluid

Under hood - diesel only

- ❒ Change engine oil (every 5000 km) and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check idling speed and acceleration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Check all V-drive belts for tension and damage
- ❒ Check air cleaner element
- ❒ Check power steering fluid

P.T.O.

30,000 km or 1½ years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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Under vehicle - petrol and diesel

- ❒ Check level of manual transmission and transfer case oil
- ❒ Check level of automatic transmission transfer case oil
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Check level of differential gear oil (front and rear)
- ❒ Inspect front wheel bearings and locking hub grease
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering and suspension components, (inc. shock abs, all rubber bushes and boots, ball joints and connections) park brake cables, fuel , exhaust & brake system, bolts, nuts, hoses, pipes and for leaks
- ❒ Check vehicle ride height
- ❒ Tyre rotation as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel freeplay
- ❒ Check brake pedal travel and free play
- ❒ Check operation of lights, wipers, switches & controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

40,000 km or 2 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.
I understand I will be charged for the following hours of labour:

- 2.5 hours
- add 0.2 hours for 4WD

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature ..... Date .....

Under hood - petrol only

- ❒ Change engine oil & filter
- ❒ Check for oil contamination
- ❒ Check fluid levels: washer, auto trans.
- ❒ Replace coolant.
- ❒ Check radiator cap and cooling system pressure
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Clean front of radiator core and A/C condenser
- ❒ Replace fuel filter
- ❒ Replace air cleaner element
- ❒ Check all V-drive belts for tension and damage (4ZE1 only)
- ❒ Replace spark plugs
- ❒ Check idling speed and acceleration
- ❒ Replace power steering fluid
- ❒ Adjust valve clearance (4ZE1 only)
- ❒ Tighten cylinder head bolts (4ZE1 only)
- ❒ Check ignition timing (4ZE1 only)

P.T.O.

40,000 km or 2 years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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Under hood - diesel only

- ❒ Change engine oil (every 5,000 km) and filter
- ❒ Check for oil contamination
- ❒ Check fluid levels: washer, auto trans.
- ❒ Replace coolant
- ❒ Check radiator cap and cooling system pressure
- ❒ Check idling speed and acceleration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Clean front of radiator core and A/C condenser
- ❒ Replace fuel filter
- ❒ Replace air cleaner element
- ❒ Check all V-drive belts for tension and damage
- ❒ Adjust valve clearance
- ❒ Replace power steering fluid

Under vehicle - petrol and diesel

- ❒ Change clutch fluid
- ❒ Change brake fluid
- ❒ Change manual transmission and transfer case oil
- ❒ Inspect universal joints and splines for wear
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Change differential gear oil (front and rear)
- ❒ Inspect brake pads and discs/linings and drums, front and rear
- ❒ Tighten wheel nuts
- ❒ Inspect front and rear hub bearings for looseness
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering and suspension components, (inc. shock abs, all rubber bushes and boots, ball joints and connections) park brake cables, fuel, exhaust & brake system, bolts, nuts, hoses, pipes and for leaks
- ❒ Check vehicle ride height
- ❒ Tyre rotation - rotate as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel freeplay
- ❒ Check brake pedal travel and free play
- ❒ Check park brake lever travel
- ❒ Check park brake ratchet for wear or damage
- ❒ Check operation of lights, wipers, switches and controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

50,000 km or 2½ years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.
I understand I will be charged for the following hours of labour:

- 1 hour
- add 0.2 hours for 4WD

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature ..... Date .....

Under hood - petrol only

- ❒ Change engine oil and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Check all V-drive belts for tension and damage
- ❒ Check idling speed and acceleration
- ❒ Check air cleaner element
- ❒ Check power steering fluid

Under hood - diesel only

- ❒ Change engine oil (every 5000 km) and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check idling speed and acceleration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Check all V-drive belts for tension and damage
- ❒ Check air cleaner element
- ❒ Check power steering fluid

P.T.O.

50,000 km or 2½ years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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Under vehicle - petrol and diesel

- ❒ Check level of manual transmission and transfer case oil
- ❒ Check level of automatic transmission transfer case oil
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Check level of differential gear oil (front and rear)
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering and suspension components, (inc. shock abs all rubber bushes and boots, ball joints and connections) park brake cables, fuel , exhaust & brake systems, bolts, nuts, hoses, pipes and for leaks
- ❒ Check vehicle ride height
- ❒ Tyre rotation as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel freeplay
- ❒ Check brake pedal travel and free play
- ❒ Check operation of lights, wipers, switches and controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

60,000 km or 3 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.
I understand I will be charged for the following hours of labour:

- 3.2 hours
- add 0.4 hours for 4WD

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature ..... Date .....

Under hood - petrol only

- ❒ Change engine oil and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check radiator cap and cooling system pressure
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Clean front of radiator core and A/C condenser
- ❒ Replace fuel filter
- ❒ Check air cleaner element
- ❒ Check all V-drive belts for tension and damage (4ZE1 only)
- ❒ Check idling speed and acceleration
- ❒ Adjust valve clearance (4ZE1 only)
- ❒ Tighten cylinder head bolts (4ZE1 only)
- ❒ Check ignition timing (4ZE1 only)
- ❒ Check power steering fluid

P.T.O.

60,000 km or 3 years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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Under hood - diesel only

- ❒ Change engine oil (every 5,000 km) and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check radiator cap and cooling system pressure
- ❒ Check idling speed and acceleration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Clean front of radiator core and A/C condenser
- ❒ Replace fuel filter
- ❒ Check air cleaner element
- ❒ Check all V-drive belts for tension and damage
- ❒ Adjust valve clearance
- ❒ Check ignition timing (4ZE1 only)
- ❒ Check power steering fluid

Under vehicle - petrol and diesel

- ❒ Check level of manual transmission and transfer case oil
- ❒ Check level of automatic transmission transfer case oil (with 4ZE1 engine)
- ❒ Inspect universal joints and splines for wear
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Check level of differential gear oil (front and rear)
- ❒ Inspect brake pads and discs/linings and drums, front and rear
- ❒ Tighten wheel nuts
- ❒ Repack front wheel bearings and locking hubs
- ❒ Inspect front and rear hub bearings for looseness
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering and suspension components, (inc. shock abs, all rubber bushes and boots, ball joints and connections) park brake cables, fuel, exhaust & brake system, bolts, nuts, hoses, pipes and for leaks
- ❒ Check vehicle ride height
- ❒ Tyre rotation as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel free play
- ❒ Check brake pedal travel and free play
- ❒ Check park brake lever travel
- ❒ Check park brake ratchet for wear or damage
- ❒ Check operation of lights, wipers, switches and controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

70,000 km or 3½ years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.
I understand I will be charged for the following hours of labour:

- 1 hours
- add 0.2 hours for 4WD

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature ..... Date .....

Under hood - petrol only

- ❒ Change engine oil and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Check all V-drive belts for tension and damage (4ZE1 only)
- ❒ Check idling speed and acceleration
- ❒ Check air cleaner element
- ❒ Check power steering fluid

Under hood - diesel only

- ❒ Change engine oil (every 5000 km) and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check idling speed and acceleration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Check all V-drive belts for tension and damage
- ❒ Check air cleaner element
- ❒ Check power steering fluid

70,000 km or 3½ years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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Under vehicle - petrol and diesel

- ❒ Check level of manual transmission and transfer case oil
- ❒ Check level of automatic transmission transfer case oil
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Check level of differential gear oil (front and rear)
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering and suspension components, (inc. shock abs, all rubber bushes and boots, ball joints and connections) park brake cables, fuel , exhaust & brake system, bolts, nuts, hoses, pipes and for leaks
- ❒ Check vehicle ride height
- ❒ Tyre rotation as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel freeplay
- ❒ Check brake pedal travel and free play
- ❒ Check operation of lights, wipers, switches and controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

80,000 km or 4 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.
I understand I will be charged for the following hours of labour:

- 2.5 hours
- add 0.2 hours for 4WD

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature ..... Date .....

80,000 km or 4 years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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Under hood - petrol only

- ❒ Change engine oil and filter
- ❒ Check for oil contamination
- ❒ Check fluid levels: washer, auto trans
- ❒ Replace coolant
- ❒ Check radiator cap and cooling system pressure
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Clean front of radiator core and A/C condenser
- ❒ Replace fuel filter
- ❒ Replace air cleaner element
- ❒ Check V-drive belts for tension and damage (4ZE1 only)
- ❒ Replace spark plugs
- ❒ Check idling speed and acceleration
- ❒ Replace power steering fluid
- ❒ Adjust valve clearance (4ZE1 only)
- ❒ Tighten cylinder head bolts (4ZE1 only)
- ❒ Check ignition timing (4ZE1 only)

P.T.O.

Under hood - diesel only

- ❒ Change engine oil (every 5,000 km) and filter
- ❒ Check for oil contamination
- ❒ Check fluid levels: washer, auto trans
- ❒ Replace coolant
- ❒ Check radiator cap and cooling system pressure
- ❒ Check idling speed and acceleration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Clean front of radiator core and A/C condenser
- ❒ Replace fuel filter
- ❒ Replace air cleaner element
- ❒ Check all V-drive belts for tension and damage
- ❒ Adjust valve clearance
- ❒ Replace power steering fluid

Under vehicle - petrol and diesel

- ❒ Change clutch fluid
- ❒ Change brake fluid
- ❒ Change manual transmission and transfer case oil
- ❒ Change automatic transmission transfer case oil
- ❒ Inspect universal joints and splines for wear
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Change differential gear oil (front and rear)
- ❒ Inspect brake pads and discs/linings and drums, front and rear
- ❒ Tighten wheel nuts
- ❒ Inspect front and rear hub bearings for looseness
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering and suspension components, (inc. shock abs, all rubber bushes and boots, ball joints and connections) park brake cables, fuel , exhaust & brake system, bolts, nuts, hoses, pipes and for leaks
- ❒ Check vehicle ride height
- ❒ Tyre rotation as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel freeplay
- ❒ Check brake pedal travel and free play
- ❒ Check park brake lever travel
- ❒ Check park brake ratchet for wear or damage
- ❒ Check operation of lights, wipers, switches and controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

90,000 km or 4½ years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.
I understand I will be charged for the following hours of labour:

- 2.3hours
- add 0.4 hours for 4WD

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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.....

Signature ..... Date .....

Under hood - petrol only

- ❒ Change engine oil and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Check all V-drive belts for tension and damage (4ZE1 only)
- ❒ Check idling speed and acceleration
- ❒ Check air cleaner element
- ❒ Check power steering fluid

Under hood - diesel only

- ❒ Change engine oil (every 5000 km) and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check idling speed and acceleration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Check all V-drive belts for tension and damage
- ❒ Check air cleaner element
- ❒ Check power steering fluid

P.T.O.

90,000 km or 4½ years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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Under vehicle - petrol and diesel

- ❒ Check level of manual transmission and transfer case oil
- ❒ Check level of automatic transmission transfer case oil
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Check level of differential gear oil (front and rear)
- ❒ Inspect front wheel bearings and locking hub grease ❁
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering and suspension components, (inc. shock abs, all rubber bushes and boots, ball joints and connections) park brake cables, fuel , exhaust & brake system, bolts, nuts, hoses, pipes and for leaks
- ❒ Check vehicle ride height
- ❒ Tyre rotation as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel freeplay
- ❒ Check brake pedal travel and free play
- ❒ Check operation of lights, wipers, switches and controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

100,000 km or 5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon. I understand I will be charged for the following hours of labour:

- 3.5 hours for petrol engine
- 3.7 hours for diesel engine
- add 0.2 hours for 4WD
- add 5.0 hours for 6VD1 engine

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature ..... Date .....

Under hood - petrol only

- ❒ Change engine oil and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check radiator cap and cooling system pressure
- ❒ Replace timing belt (4ZE1 only)
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Clean front of radiator core and A/C condenser
- ❒ Replace fuel filter
- ❒ Check air cleaner element
- ❒ Check all V-drive belts for tension and damage
- ❒ Check idling speed and acceleration
- ❒ Adjust valve clearance
- ❒ Check power steering fluid
- ❒ Tighten cylinder head bolts (4ZE1 only)
- ❒ Check ignition timing (4ZE1 only)

P.T.O.

100,000 km or 5 years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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Under hood - diesel only

- ❒ Change engine oil (every 5,000 km) and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check radiator cap and cooling system pressure
- ❒ Check idling speed and acceleration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Clean front of radiator core and A/C condenser
- ❒ Replace fuel filter
- ❒ Check air cleaner element
- ❒ Check all V-drive belts for tension and damage
- ❒ Adjust valve clearance
- ❒ Check injection timing
- ❒ Check injector pressure and spray pattern
- ❒ Check power steering fluid

Under vehicle - petrol and diesel

- ❒ Check level of manual transmission and transfer case oil
- ❒ Check level of automatic transmission transfer case oil (with 4ZE1 engine)
- ❒ Inspect universal joints and splines for wear
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Check level of differential gear oil (front and rear)
- ❒ Inspect brake pads and discs/linings and drums, front and rear
- ❒ Tighten wheel nuts
- ❒ Inspect front and rear hub bearings for looseness
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering and suspension components, (inc. shock abs, all rubber bushes and boots, ball joints and connections) park brake cables, fuel, exhaust & brake system, bolts, nuts, hoses, pipes and for leaks
- ❒ Check vehicle ride height
- ❒ Tyre rotation as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel freeplay
- ❒ Check brake pedal travel and free play
- ❒ Check park brake lever travel
- ❒ Check park brake ratchet for wear or damage
- ❒ Check operation of lights, wipers, switches and controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

110,000 km or 5½ years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon. I understand I will be charged for the following hours of labour:

- 1hour
- add 0.2 hours for 4WD

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....

.....

Signature ..... Date .....

Under hood - petrol only

- ❒ Change engine oil and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Check all V-drive belts for tension and damage (4ZE1 only)
- ❒ Check idling speed and acceleration
- ❒ Check air cleaner element
- ❒ Check power steering fluid

Under hood - diesel only

- ❒ Change engine oil (every 5000 km) and filter
- ❒ Check for oil contamination
- ❒ Check all fluid levels: power steering, brake, washer, auto trans, clutch.
- ❒ Check/correct coolant level and % concentration
- ❒ Check idling speed and acceleration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Check all V-drive belts for tension and damage
- ❒ Check air cleaner element
- ❒ Check power steering fluid

P.T.O.

110,000 km or 5½ years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
.....
.....
.....
.....
.....

Under vehicle - petrol and diesel

Check level of manual transmission and transfer case oil

- ❒ Check level of automatic transmission transfer case oil
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Check level of differential gear oil (front and rear)
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering and suspension components, (inc. shock abs, all rubber bushes and boots, ball joints and connections) park brake cables, fuel , exhaust & brake system, bolts, nuts, hoses, pipes and for leaks
- ❒ Check vehicle ride height
- ❒ Tyre rotation as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel freeplay
- ❒ Check brake pedal travel and free play
- ❒ Check operation of lights, wipers, switches and controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

120,000 km or 6 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.
I understand I will be charged for the following hours of labour:

- 3.5 hours
- add 0.4 hours for 4WD

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....

.....

Signature..... Date .....

Under hood - petrol only

- ❒ Change engine oil and filter
- ❒ Check for oil contamination
- ❒ Check fluid levels: washer, auto trans
- ❒ Replace coolant
- ❒ Check radiator cap and cooling system pressure
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Clean front of radiator core and A/C condenser
- ❒ Replace fuel filter
- ❒ Replace air cleaner element
- ❒ Check all V-drive belts for tension and damage (4ZE1 only)
- ❒ Replace spark plugs
- ❒ Check idling speed and acceleration
- ❒ Replace power steering fluid
- ❒ Adjust valve clearance (4ZE1 only)
- ❒ Tighten cylinder head bolts (4ZE1 only)
- ❒ Check ignition timing (4ZE1 only)

120,000 km or 6 years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
.....
.....
.....
.....
.....

P.T.O.

Under hood - diesel only

- ❒ Change engine oil (every 5,000 km) and filter
- ❒ Check for oil contamination
- ❒ Check fluid levels: washer, auto trans
- ❒ Replace coolant
- ❒ Check radiator cap and cooling system pressure
- ❒ Check idling speed and acceleration
- ❒ Check all hoses and pipes in engine compartment for deterioration or leaks
- ❒ Clean front of radiator core and A/C condenser
- ❒ Replace fuel filter
- ❒ Replace air cleaner element
- ❒ Check all V-drive belts for tension and damage
- ❒ Adjust valve clearance
- ❒ Replace power steering fluid

Under vehicle - petrol and diesel

- ❒ Change clutch fluid
- ❒ Change brake fluid
- ❒ Change manual transmission and transfer case oil
- ❒ Inspect universal joints and splines for wear
- ❒ Lubricate universal joints and sliding sleeve
- ❒ Change differential gear oil (front and rear)
- ❒ Inspect brake pads and discs/linings and drums, front and rear
- ❒ Tighten wheel nuts
- ❒ Repack front wheel bearings and locking hubs
- ❒ Inspect front and rear hub bearings for looseness
- ❒ Check tyre pressure and wheels and tyres for damage
- ❒ General under body check: steering and suspension components, (inc. shock abs, all rubber bushes and boots, ball joints and connections) park brake cables, fuel , exhaust & brake system, bolts, nuts, hoses, pipes and for leaks
- ❒ Check vehicle ride height
- ❒ Tyre rotation as necessary

Interior - petrol and diesel

- ❒ Check clutch pedal travel and free play
- ❒ Check steering wheel freeplay
- ❒ Check brake pedal travel and free play
- ❒ Check park brake lever travel
- ❒ Check park brake ratchet for wear or damage
- ❒ Check operation of lights, wipers, switches and controls

Road test - petrol and diesel

- ❒ Check vehicle on the road for braking, steering, engine response and trans operation.

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